

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066133.D
 Acq On : 06 Aug 2020 14:35
 Operator : VA/SY
 Sample : VD0806SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:31 PM

Quant Time: Aug 07 01:47:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	334892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	486385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	442543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	149560	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	152591	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.34	98	587770	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.63	95	206641	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61775	20.937	ug/l	99
3) Chloromethane	2.20	50	41138	17.924	ug/l	98
4) Vinyl Chloride	2.34	62	39700	19.538	ug/l	98
5) Bromomethane	2.74	94	24383	18.086	ug/l	96
6) Chloroethane	2.91	64	24456	19.607	ug/l	99
7) Trichlorofluoromethane	3.26	101	98340	18.563	ug/l	95
8) Diethyl Ether	3.70	74	28963	19.376	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	61662	19.613	ug/l	98
10) Methyl Iodide	4.29	142	50118	21.871	ug/l	97
11) Tert butyl alcohol	5.21	59	33913m	134.451	ug/l	
12) 1,1-Dichloroethene	4.05	96	56294	18.981	ug/l	97
13) Acrolein	3.91	56	23485	98.752	ug/l	98
14) Allyl chloride	4.70	41	85926	19.124	ug/l	98
15) Acrylonitrile	5.41	53	61493	97.625	ug/l	99
16) Acetone	4.16	43	55453	97.818	ug/l	99
17) Carbon Disulfide	4.40	76	177017	18.772	ug/l	97
18) Methyl Acetate	4.71	43	28991	20.133	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	126936	18.673	ug/l	99
20) Methylene Chloride	4.96	84	78091	21.309	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	62819	18.438	ug/l	92
22) Diisopropyl ether	6.36	45	174279	19.614	ug/l	97
23) Vinyl Acetate	6.30	43	508560	97.699	ug/l	99
24) 1,1-Dichloroethane	6.26	63	102860	18.706	ug/l	95
25) 2-Butanone	7.21	43	78758	94.456	ug/l	98
26) 2,2-Dichloropropane	7.20	77	97193	19.721	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	70638	19.767	ug/l	97
28) Bromochloromethane	7.54	49	43439	22.492	ug/l	93
29) Tetrahydrofuran	7.56	42	51895	100.455	ug/l	98
30) Chloroform	7.70	83	108113	18.724	ug/l	94
31) Cyclohexane	7.98	56	100431	19.187	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	102331	18.902	ug/l	100
36) 1,1-Dichloropropene	8.10	75	86661	18.961	ug/l	99
37) Ethyl Acetate	7.28	43	36135	19.954	ug/l	98
38) Carbon Tetrachloride	8.09	117	95967	18.829	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066133.D
 Acq On : 06 Aug 2020 14:35
 Operator : VA/SY
 Sample : VD0806SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0806SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:31 PM

Quant Time: Aug 07 01:47:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	106879	19.344	ug/l	97
40) Benzene	8.34	78	241617	19.056	ug/l	97
41) Methacrylonitrile	7.53	41	20740m	19.479	ug/l	
42) 1,2-Dichloroethane	8.43	62	71684	19.245	ug/l	97
43) Isopropyl Acetate	8.45	43	67795	19.001	ug/l	97
44) Trichloroethene	9.11	130	73643	19.275	ug/l	97
45) 1,2-Dichloropropane	9.38	63	59251	19.107	ug/l	93
46) Dibromomethane	9.47	93	32813	19.210	ug/l	98
47) Bromodichloromethane	9.66	83	82805	18.342	ug/l	96
48) Methyl methacrylate	9.45	41	36466	20.015	ug/l	98
49) 1,4-Dioxane	9.46	88	8786	400.371	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	176736	96.432	ug/l	100
52) Toluene	10.40	92	161116	19.311	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	80638	18.822	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	95296	18.985	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	45196	18.376	ug/l	95
56) Ethyl methacrylate	10.66	69	57644	19.510	ug/l	97
57) 1,3-Dichloropropane	10.94	76	77185	18.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	143280	107.807	ug/l	97
59) 2-Hexanone	10.98	43	121138	94.179	ug/l	100
60) Dibromochloromethane	11.14	129	60348	17.772	ug/l	99
61) 1,2-Dibromoethane	11.24	107	45237	19.125	ug/l	98
64) Tetrachloroethene	10.87	164	63433	18.666	ug/l	95
65) Chlorobenzene	11.67	112	169929	18.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	65462	18.623	ug/l	98
67) Ethyl Benzene	11.74	91	300007	19.271	ug/l	97
68) m/p-Xylenes	11.86	106	231595	38.396	ug/l	97
69) o-Xylene	12.18	106	105599	19.246	ug/l	99
70) Styrene	12.20	104	186563	19.402	ug/l	98
71) Bromoform	12.36	173	39718	19.071	ug/l #	98
73) Isopropylbenzene	12.48	105	295908	19.073	ug/l	100
74) N-amyl acetate	12.29	43	66054	19.334	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	50699	19.164	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	35146m	18.133	ug/l	
77) Bromobenzene	12.76	156	76123	19.061	ug/l	98
78) n-propylbenzene	12.82	91	345288	19.146	ug/l	100
79) 2-Chlorotoluene	12.91	91	196475	19.048	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	248132	19.124	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16982	19.368	ug/l	97
82) 4-Chlorotoluene	13.01	91	207126	19.023	ug/l	100
83) tert-Butylbenzene	13.23	119	215272	18.866	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	244050	18.795	ug/l	98
85) sec-Butylbenzene	13.40	105	294993	19.148	ug/l	99
86) p-Isopropyltoluene	13.52	119	280649	19.423	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	144221	19.214	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140652	18.790	ug/l	99
89) n-Butylbenzene	13.85	91	254879	19.688	ug/l	99
90) Hexachloroethane	14.11	117	54280	18.836	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	124771	18.796	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9068	19.944	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
Data File : VD066133.D
Acq On : 06 Aug 2020 14:35
Operator : VA/SY
Sample : VD0806SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

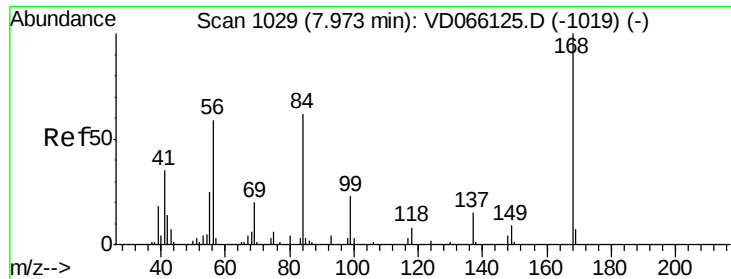
Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM

Quant Time: Aug 07 01:47:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90551	18.510	ug/l	97
94) Hexachlorobutadiene	15.27	225	51805	17.984	ug/l	97
95) Naphthalene	15.41	128	152612	19.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81035	18.765	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:168 Resp: 334892

Ion Ratio Lower Upper

168 100

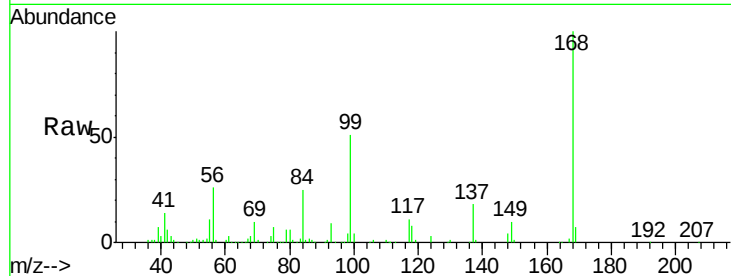
99 51.2 42.2 63.4

Manual Integrations

APPROVED

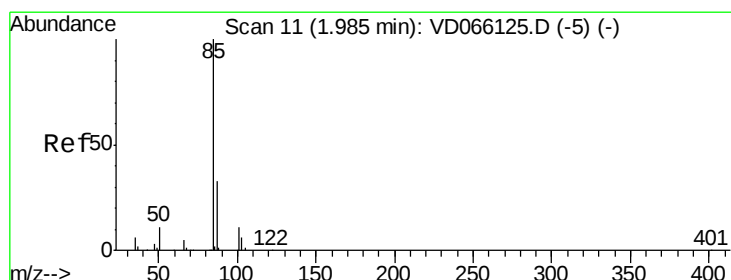
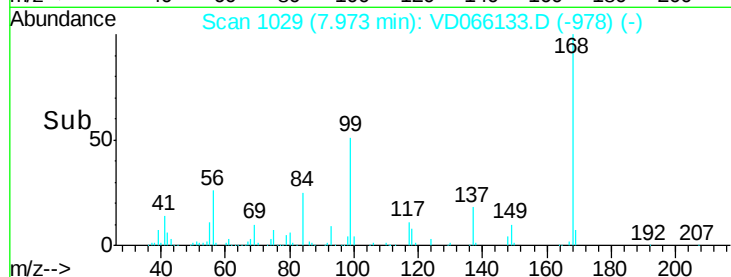
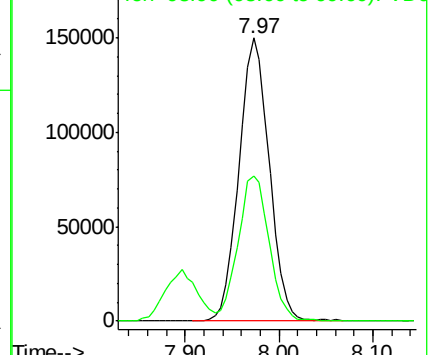
MMDadoda

8/7/2020 12:48:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.937 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066133.D

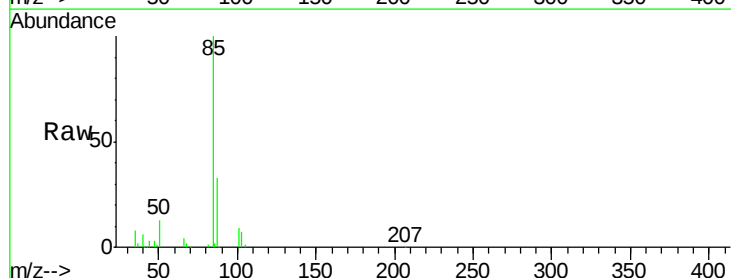
Acq: 06 Aug 2020 14:35

Tgt Ion: 85 Resp: 61775

Ion Ratio Lower Upper

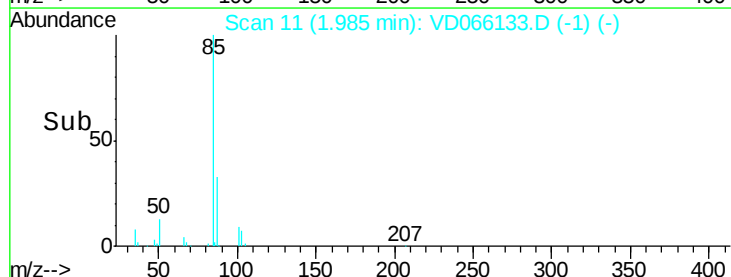
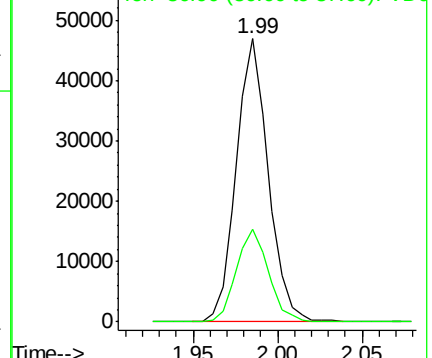
85 100

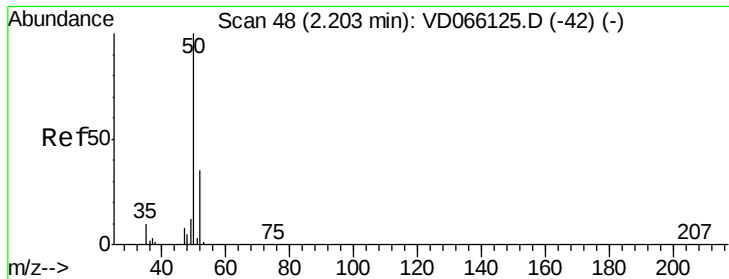
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.924 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 50 Resp: 41138

Ion Ratio Lower Upper

50 100

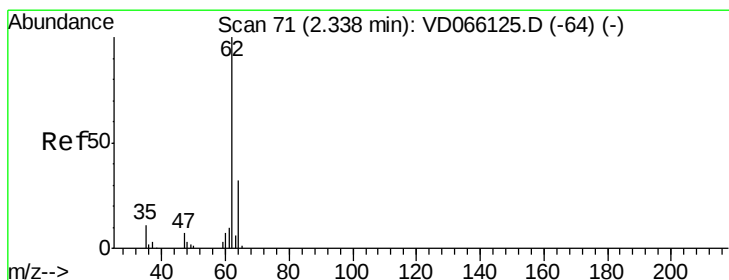
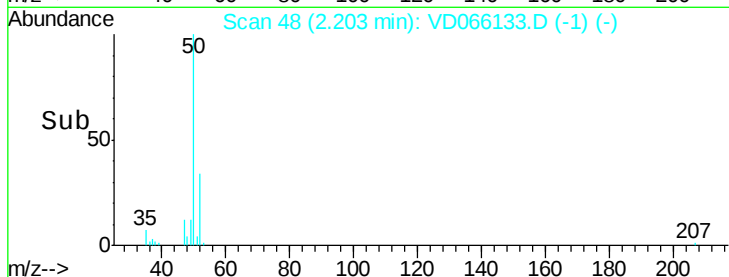
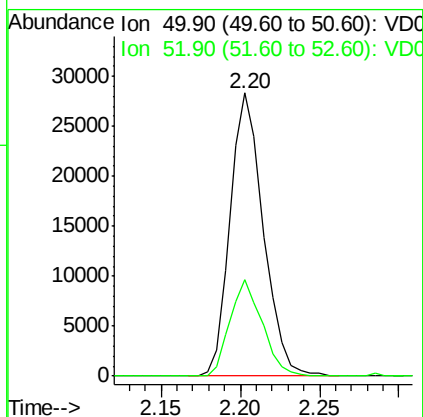
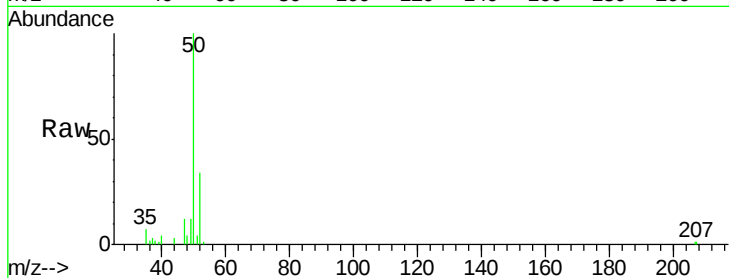
52 33.9 27.9 41.9

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:48:31 PM



#4

Vinyl Chloride

Concen: 19.538 ug/l

RT: 2.34 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD066133.D

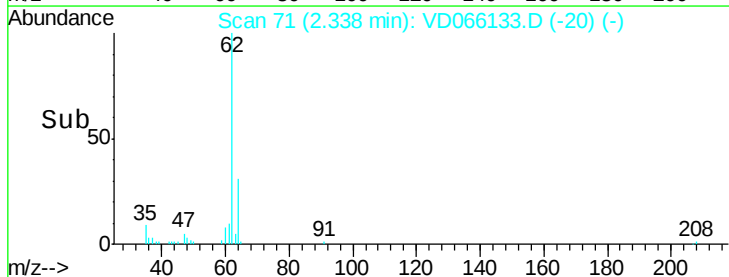
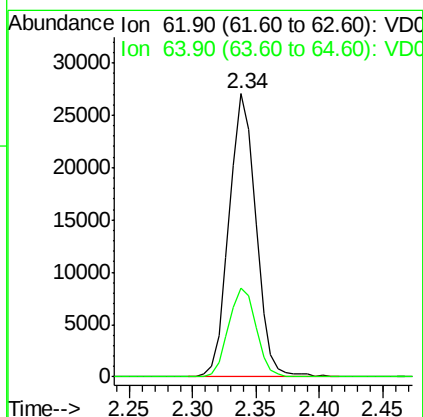
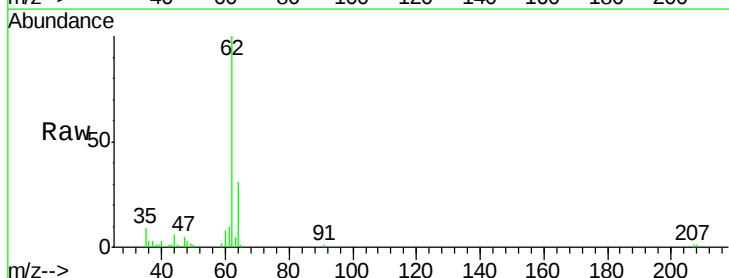
Acq: 06 Aug 2020 14:35

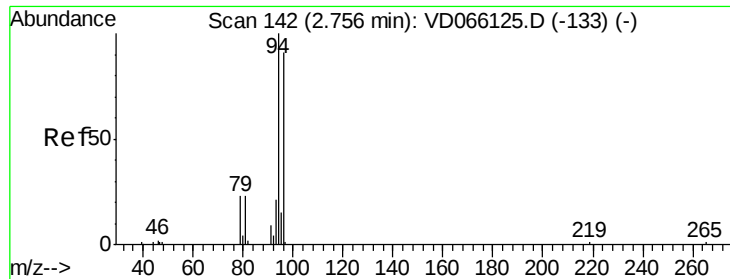
Tgt Ion: 62 Resp: 39700

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 18.086 ug/l

RT: 2.74 min Scan# 139

Delta R.T. -0.02 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 94 Resp: 24383

Ion Ratio Lower Upper

94 100

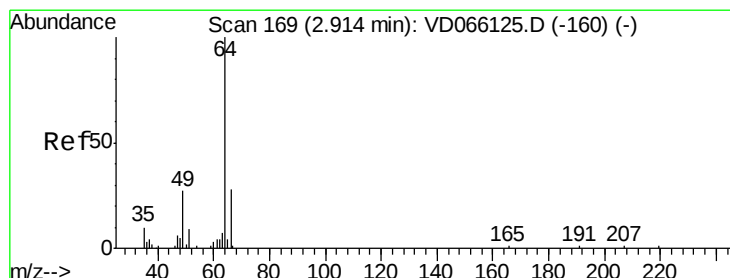
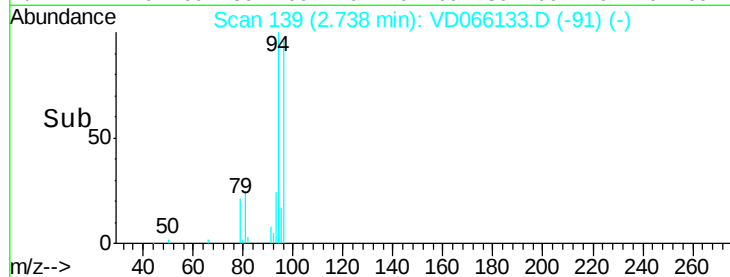
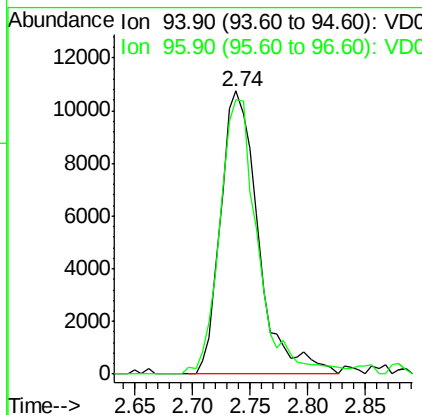
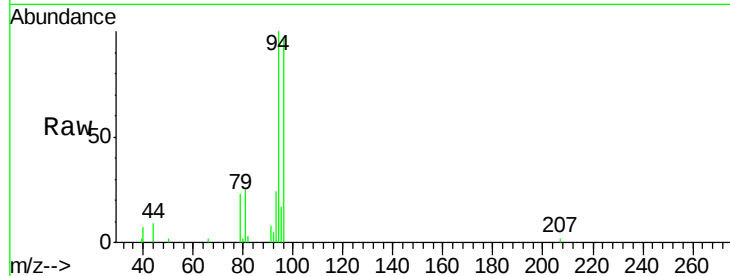
96 94.9 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:48:31 PM



#6

Chloroethane

Concen: 19.607 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066133.D

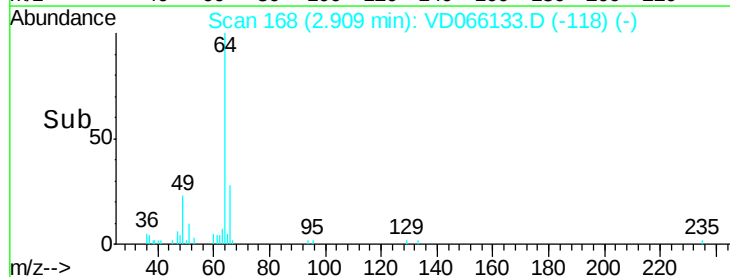
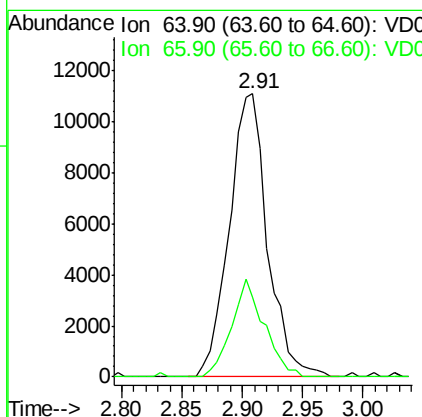
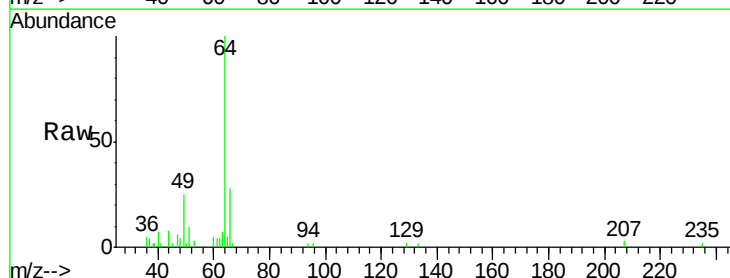
Acq: 06 Aug 2020 14:35

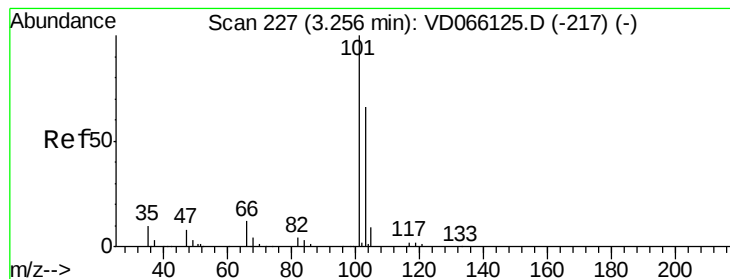
Tgt Ion: 64 Resp: 24456

Ion Ratio Lower Upper

64 100

66 28.2 22.0 33.0





#7

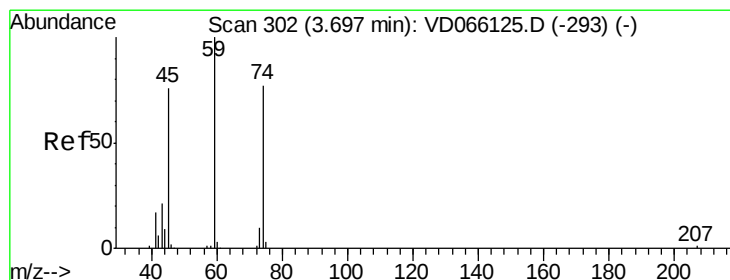
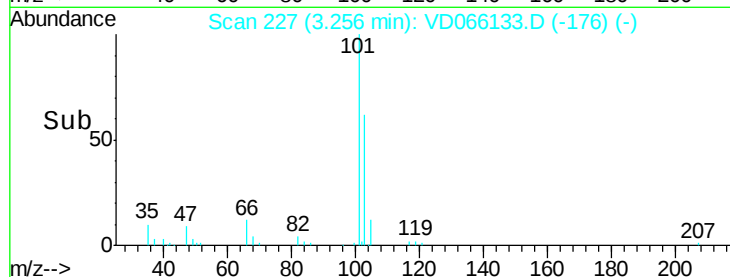
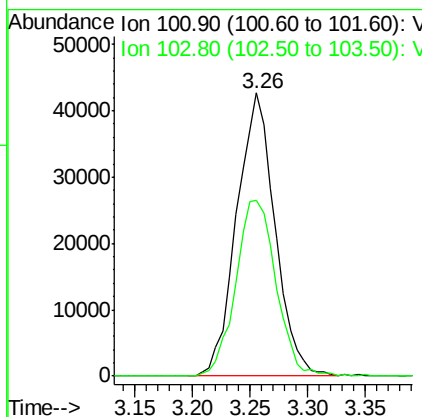
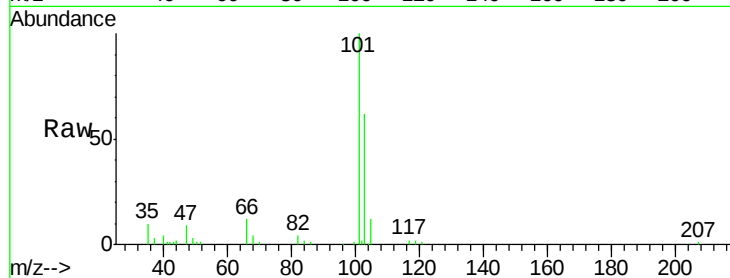
Trichlorofluoromethane
 Concen: 18.563 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	53.0	79.6

Manual Integrations
 APPROVED

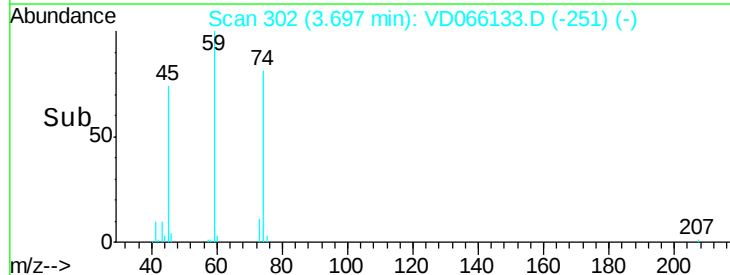
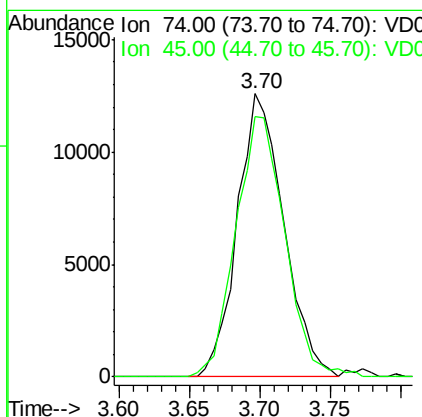
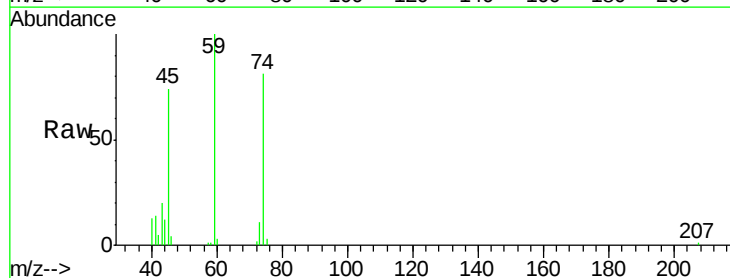
MMDadoda
 8/7/2020 12:48:31 PM

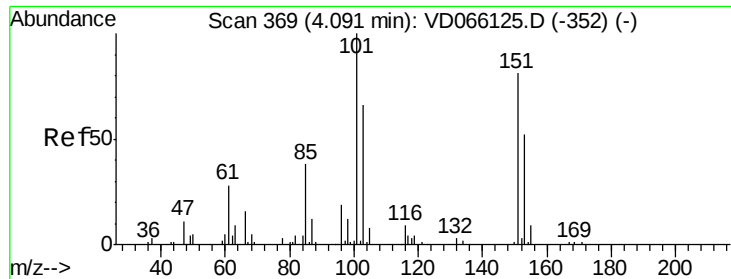


#8

Diethyl Ether
 Concen: 19.376 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.613 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

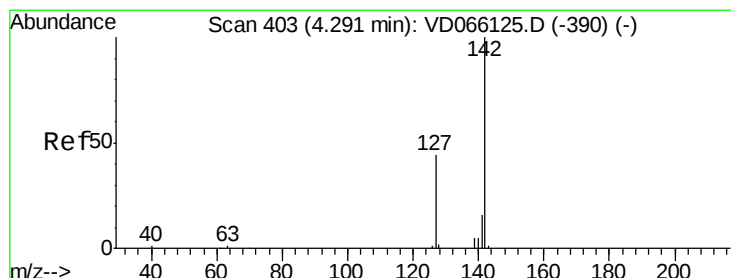
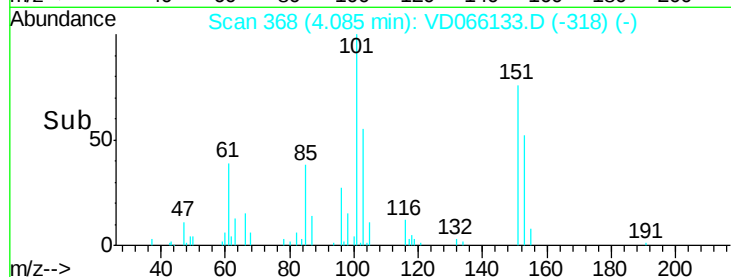
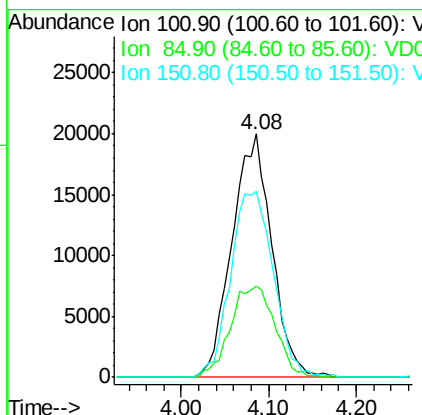
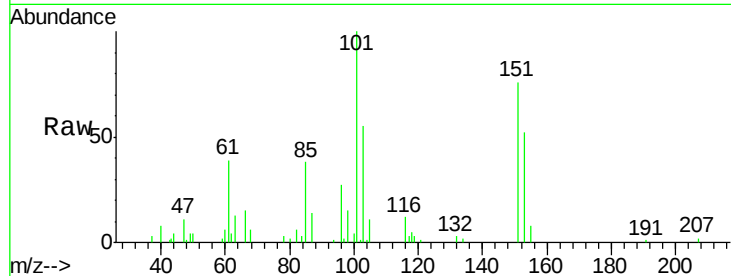
ClientSampleId :

VD0806SBSD01

Tot Ion:	101	Resp:	61662
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.5	50.3
151	82.4	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#10

Methyl Iodide

Concen: 21.871 ug/l

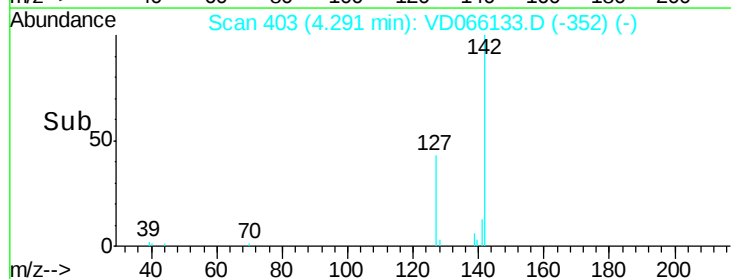
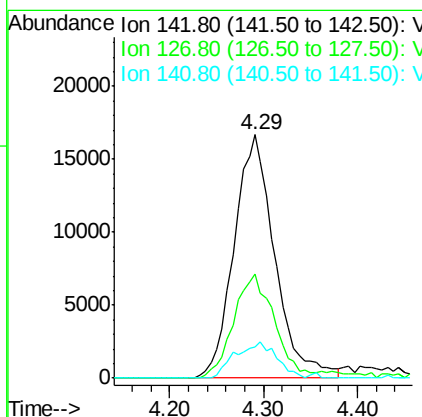
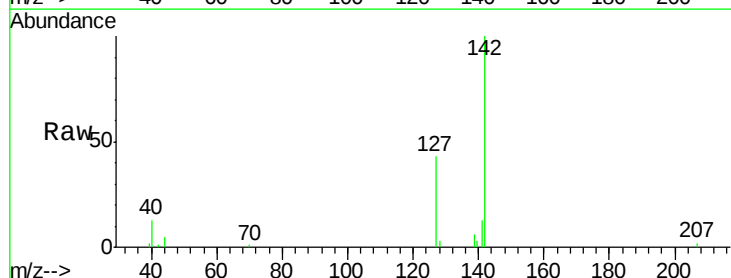
RT: 4.29 min Scan# 403

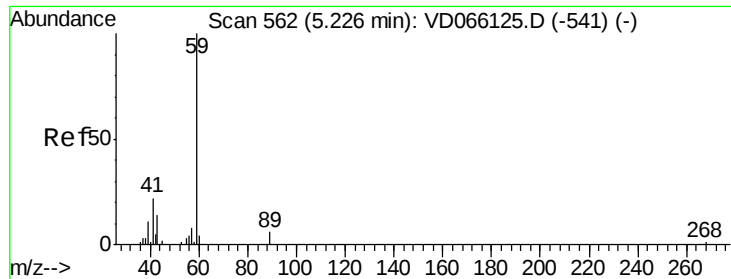
Delta R.T. 0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	142	Resp:	50118
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.2	54.4
141	14.9	12.6	18.8





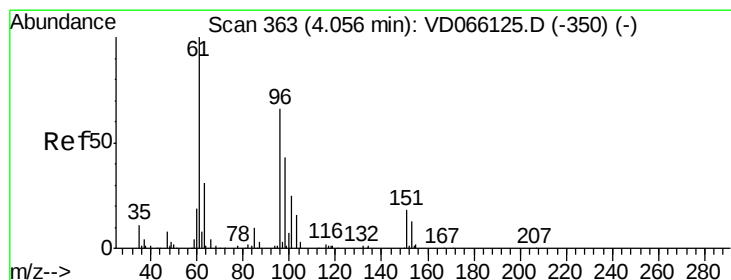
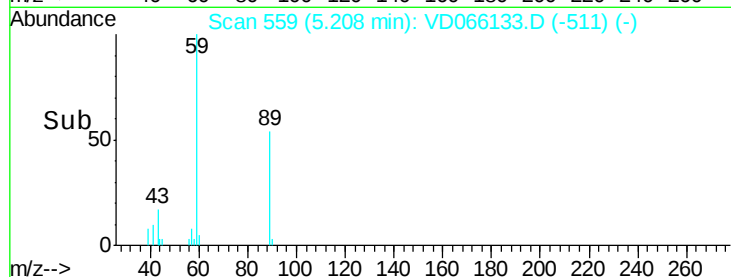
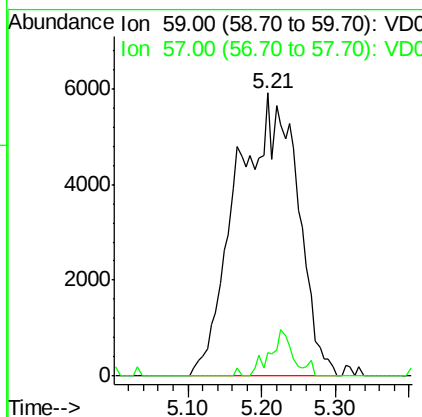
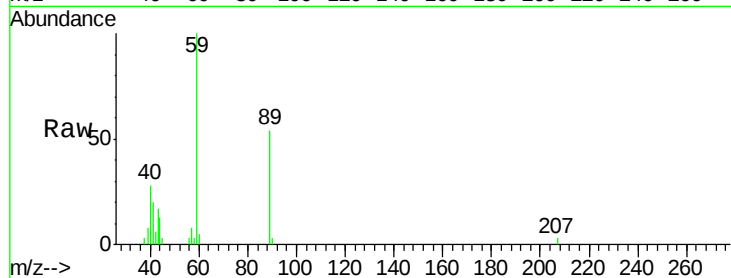
#11
Tert butyl alcohol
Concen: 134.451 ug/l m
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 59 Resp: 33913
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

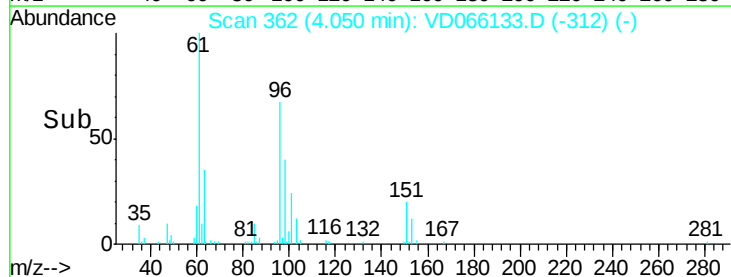
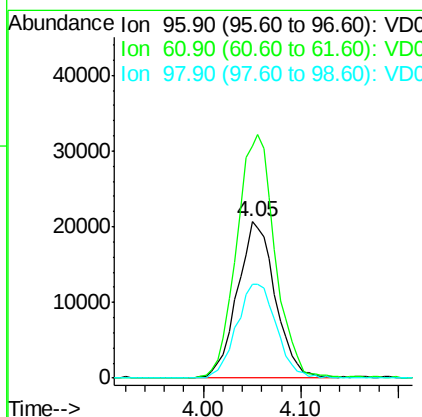
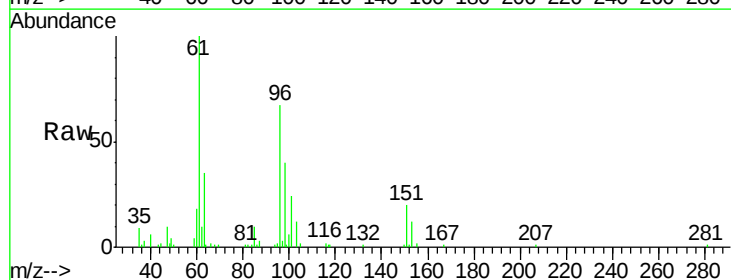
Manual Integrations
APPROVED

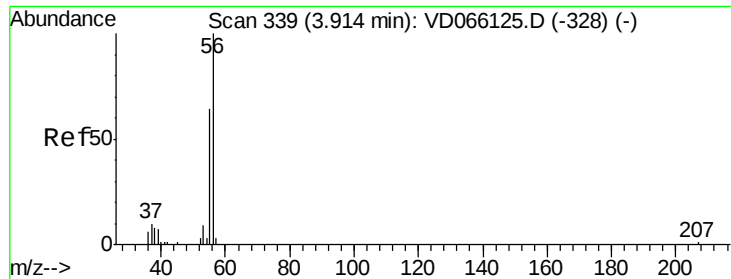
MMDadoda
8/7/2020 12:48:31 PM



#12
1,1-Dichloroethene
Concen: 18.981 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion: 96 Resp: 56294
Ion Ratio Lower Upper
96 100
61 148.9 121.6 182.4
98 60.2 52.0 78.0





#13

Acrolein

Concen: 98.752 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 56 Resp: 23485

Ion Ratio Lower Upper

56 100

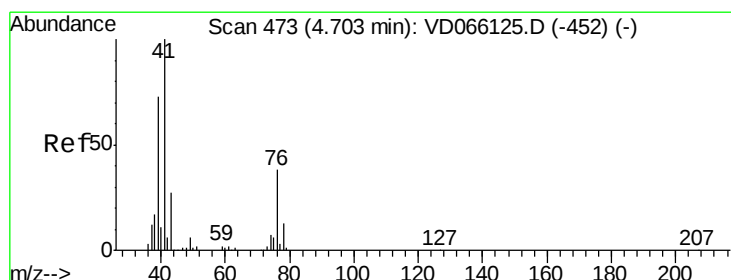
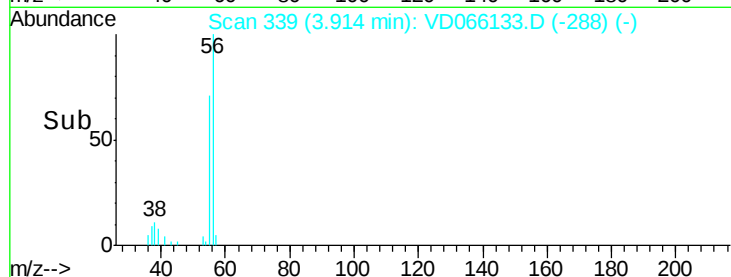
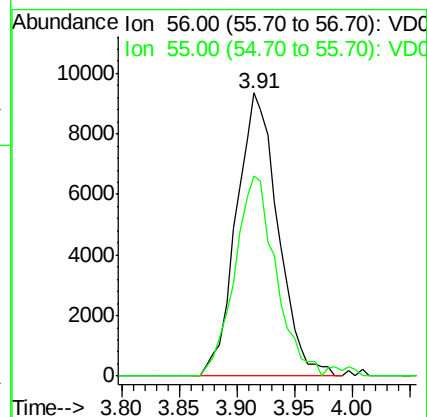
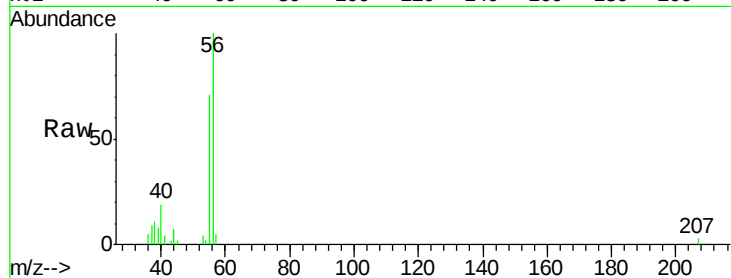
55 69.6 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:48:31 PM



#14

Allyl chloride

Concen: 19.124 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

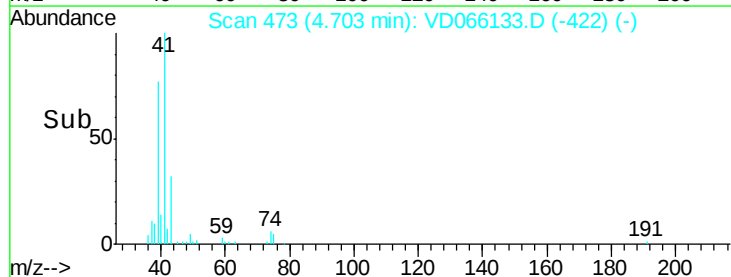
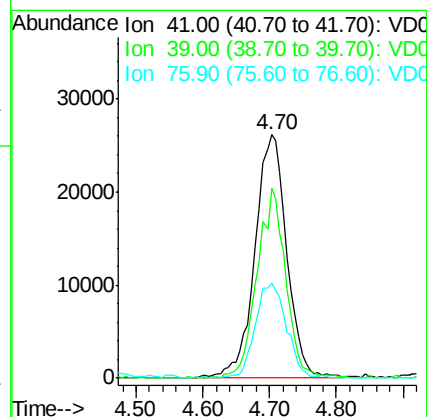
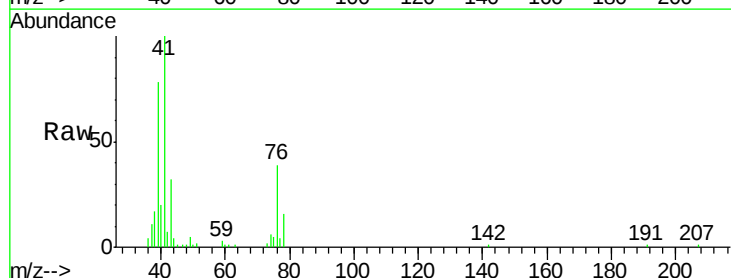
Tgt Ion: 41 Resp: 85926

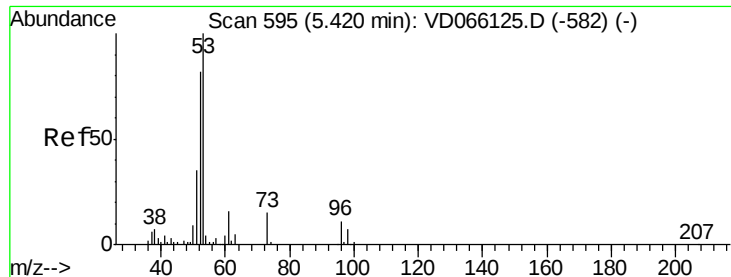
Ion Ratio Lower Upper

41 100

39 70.1 57.4 86.0

76 38.2 30.1 45.1





#15

Acrylonitrile

Concen: 97.625 ug/l

RT: 5.41 min Scan# 593

Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

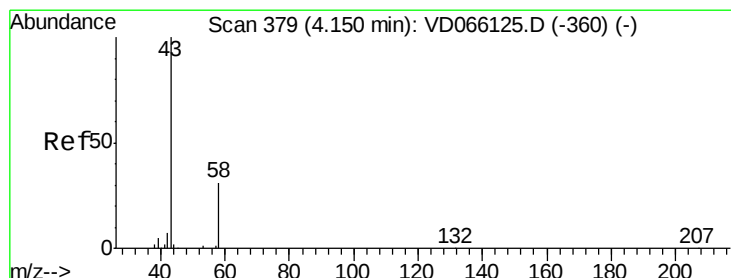
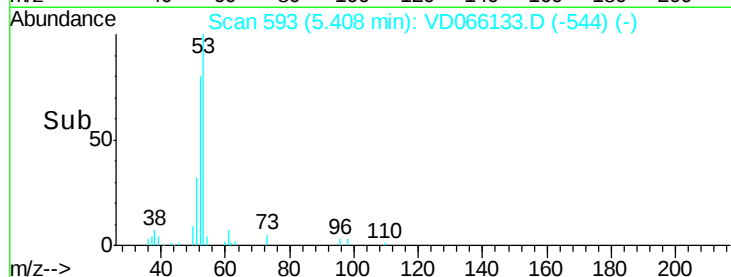
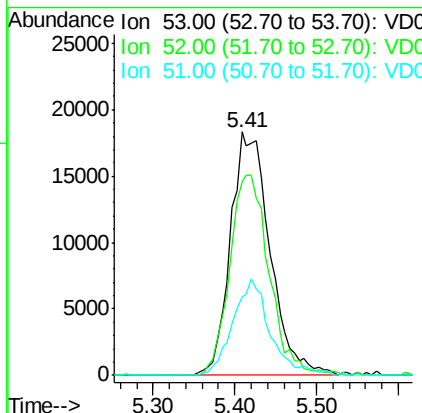
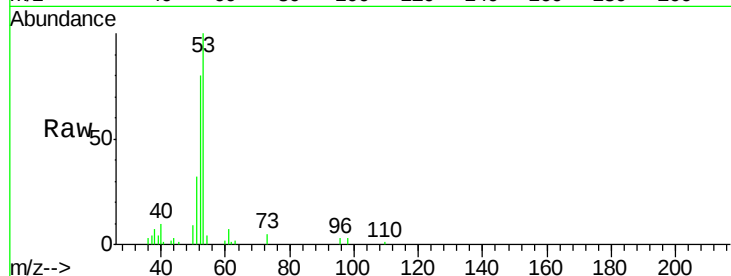
ClientSampleId :

VD0806SBSD01

Tot Ion:	53	Resp:	61493
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.1	99.1
51	37.3	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#16

Acetone

Concen: 97.818 ug/l

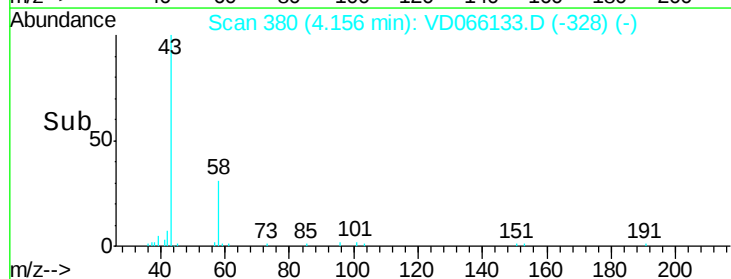
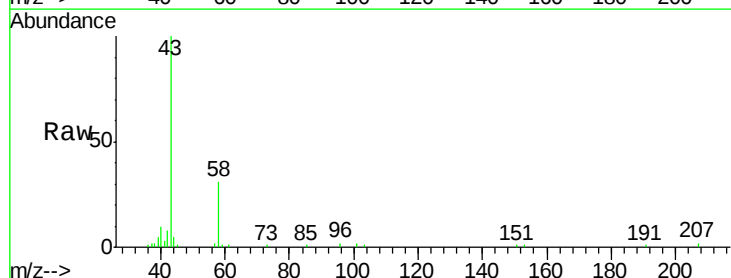
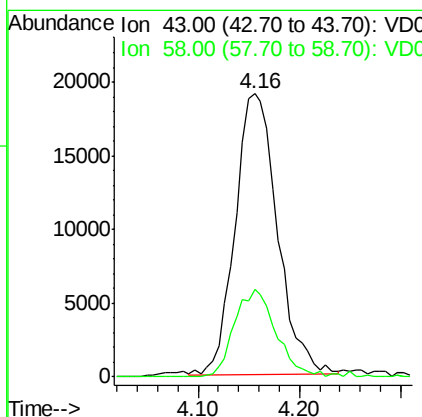
RT: 4.16 min Scan# 380

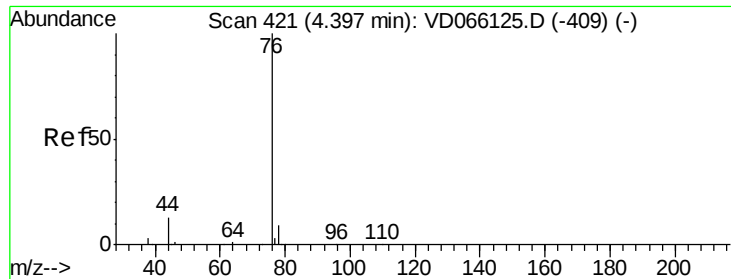
Delta R.T. 0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	43	Resp:	55453
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.7	37.1





#17

Carbon Disulfide

Concen: 18.772 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 76 Resp: 177017

Ion Ratio Lower Upper

76 100

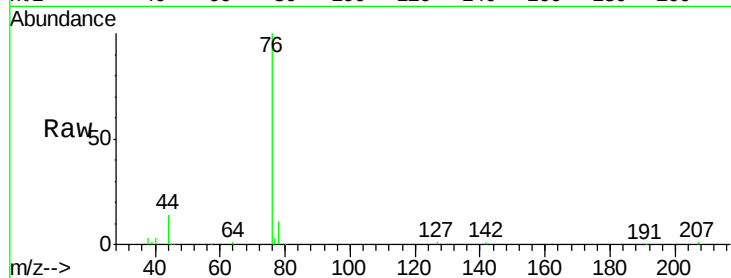
78 10.5 7.5 11.3

Manual Integrations

APPROVED

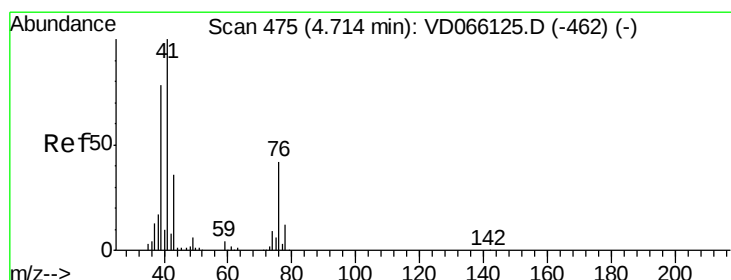
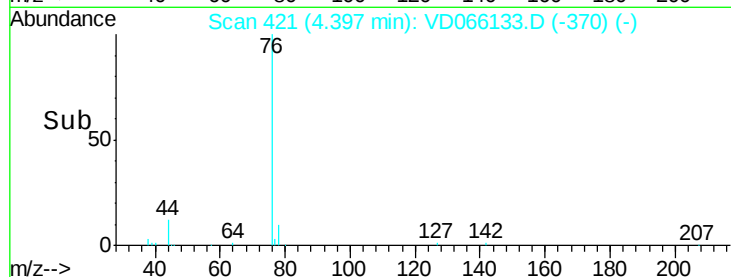
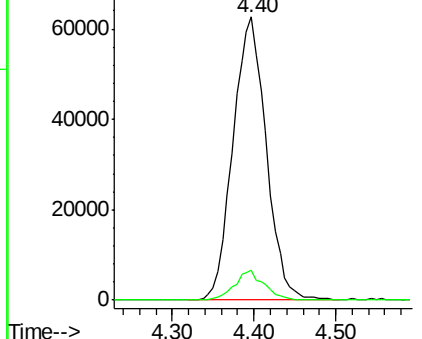
MMDadoda

8/7/2020 12:48:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.133 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066133.D

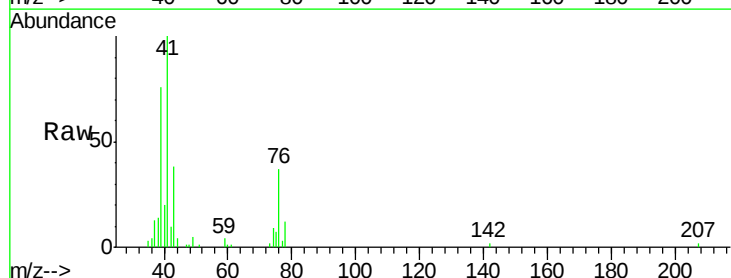
Acq: 06 Aug 2020 14:35

Tgt Ion: 43 Resp: 28991

Ion Ratio Lower Upper

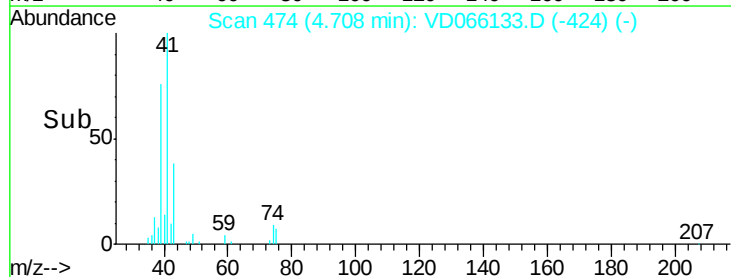
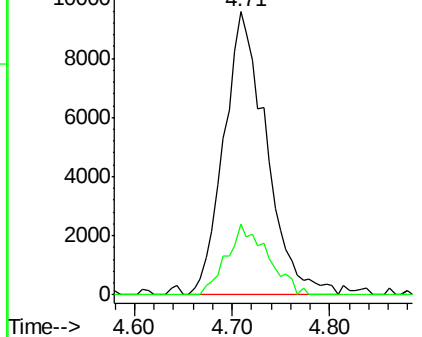
43 100

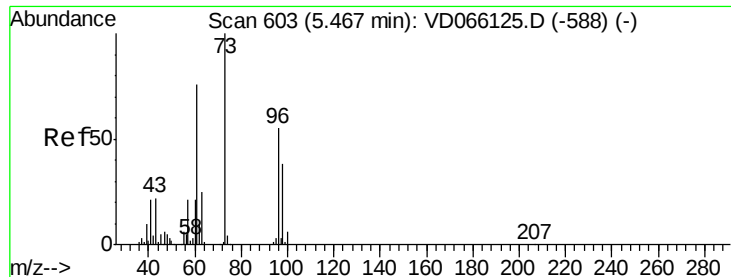
74 24.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





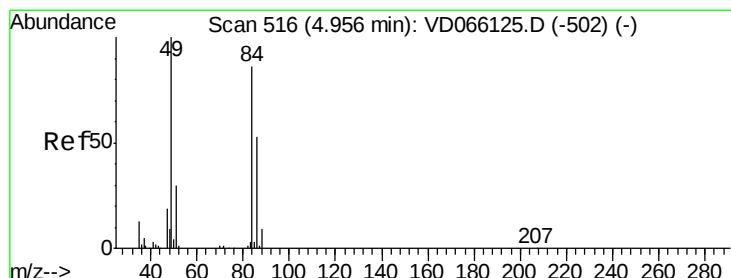
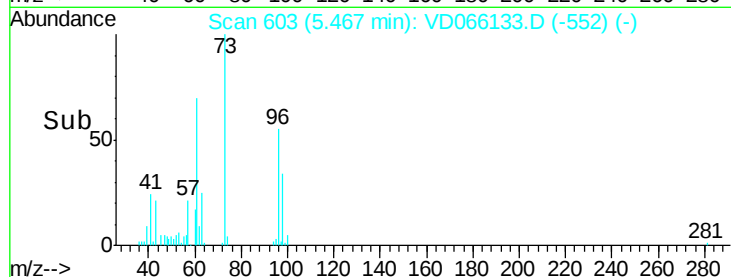
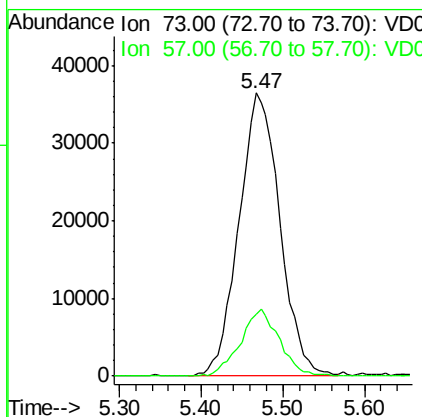
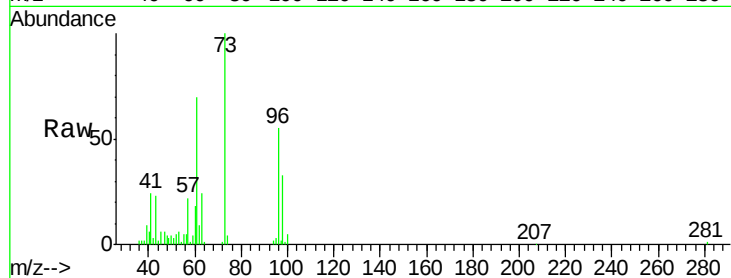
#19
Methvl tert-butvl Ether
Concen: 18.673 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 73 Resp: 126936
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7

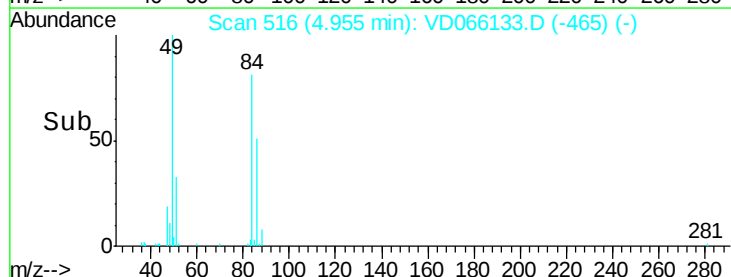
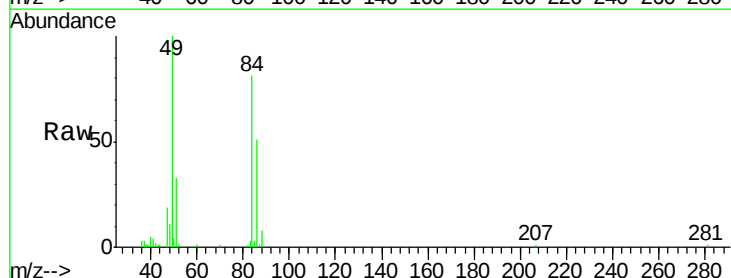
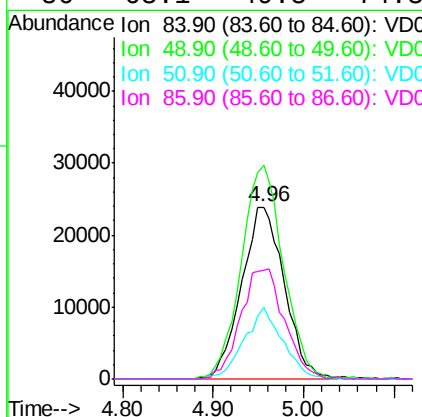
Manual Integrations
APPROVED

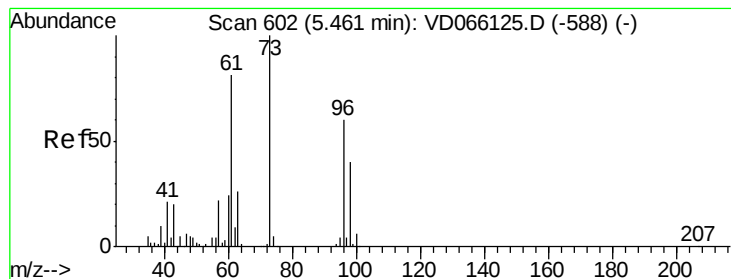
MMDadoda
8/7/2020 12:48:31 PM



#20
Methylene Chloride
Concen: 21.309 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion: 84 Resp: 78091
Ion Ratio Lower Upper
84 100
49 124.1 93.5 140.3
51 41.3 28.2 42.4
86 63.1 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.438 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

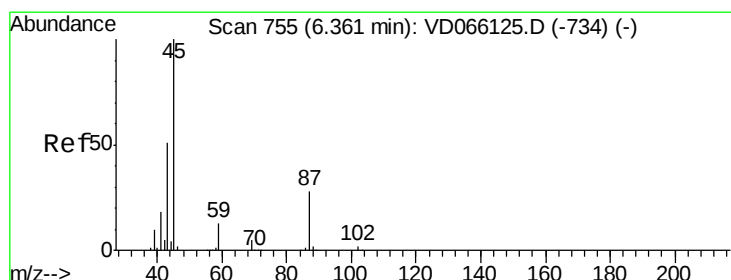
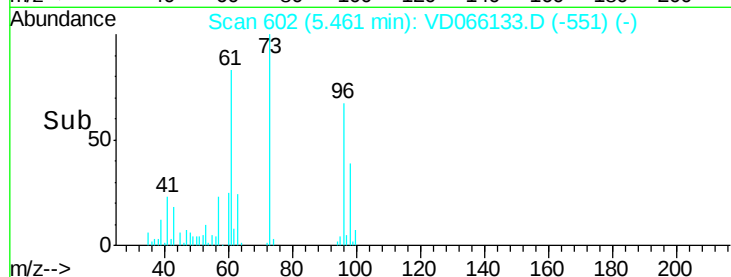
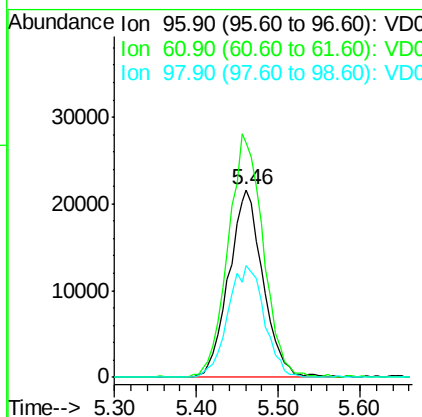
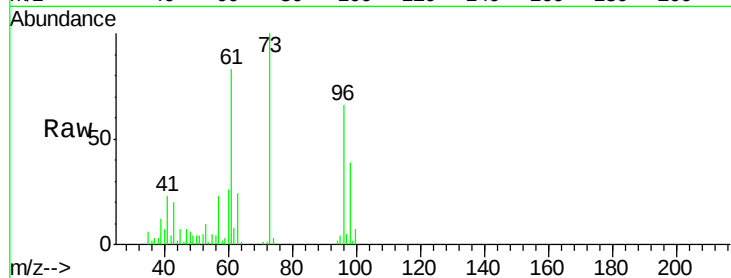
ClientSampleId :

VD0806SBS01

Tot Ion:	96	Resp:	62819
Ion	Ratio	Lower	Upper
96	100		
61	124.9	106.9	160.3
98	59.2	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#22

Diisopropyl ether

Concen: 19.614 ug/l

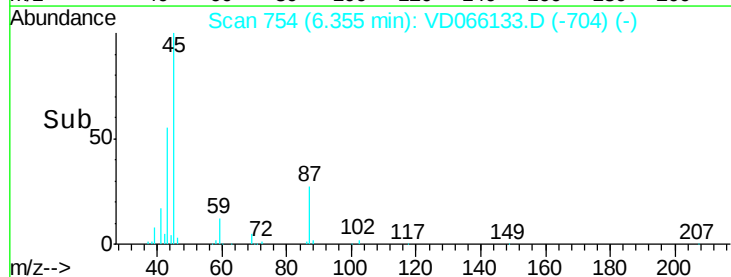
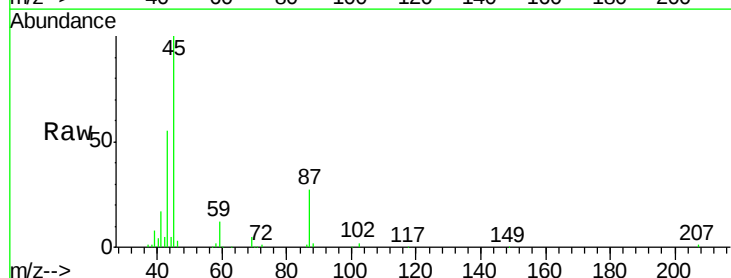
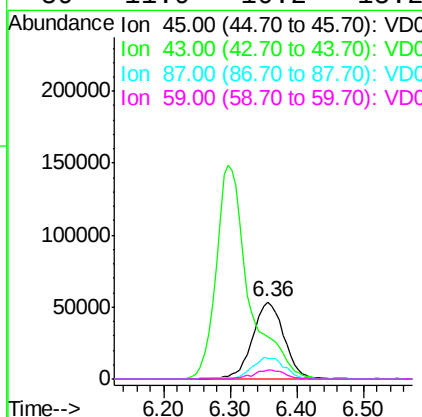
RT: 6.36 min Scan# 754

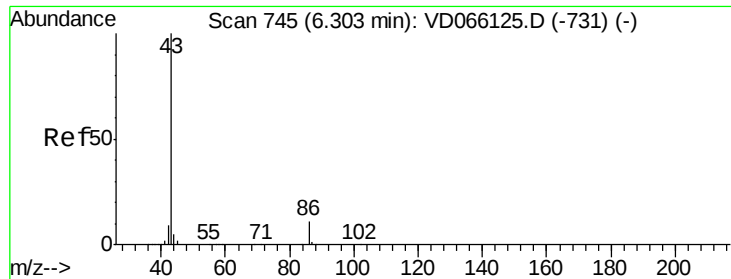
Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	45	Resp:	174279
Ion	Ratio	Lower	Upper
45	100		
43	54.4	41.2	61.8
87	27.5	22.8	34.2
59	11.9	10.2	15.2





#23

Vinyl Acetate

Concen: 97.699 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion: 43 Resp: 508560

Ion Ratio Lower Upper

43 100

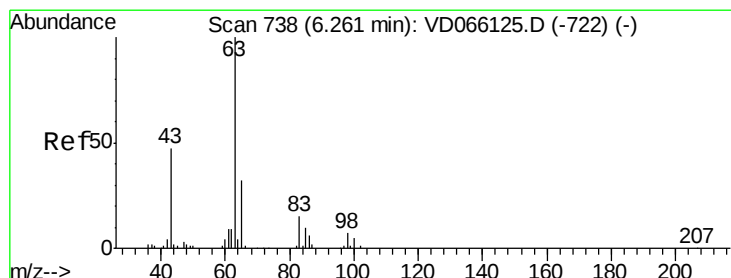
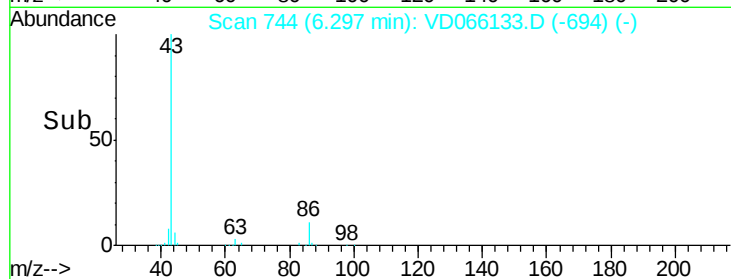
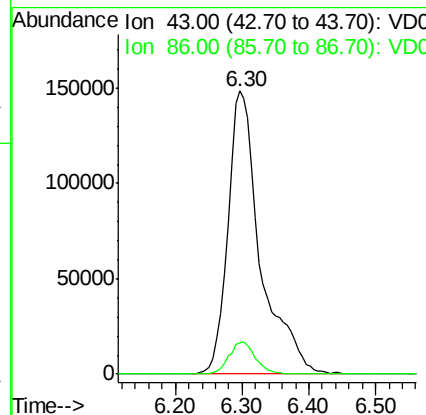
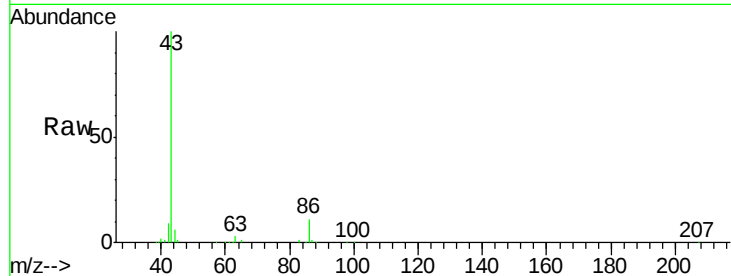
86 11.0 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:48:31 PM



#24

1,1-Dichloroethane

Concen: 18.706 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

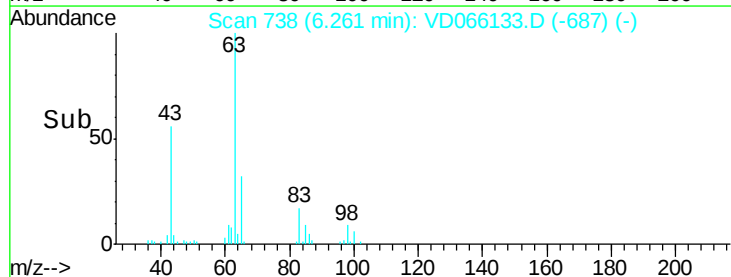
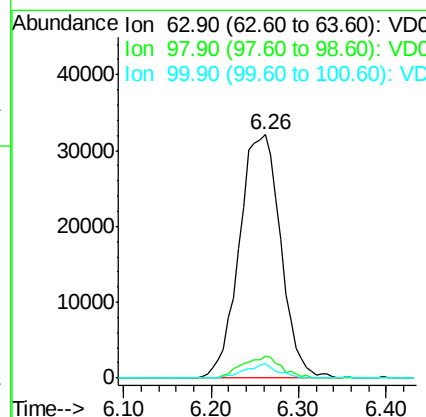
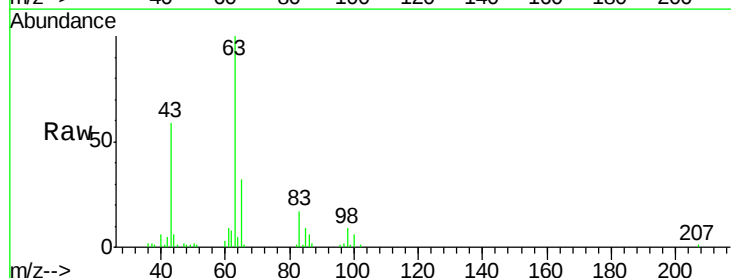
Tgt Ion: 63 Resp: 102860

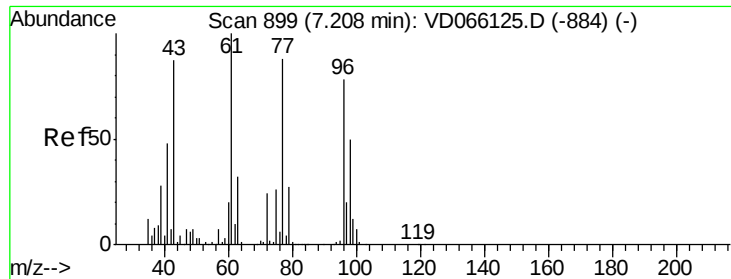
Ion Ratio Lower Upper

63 100

98 9.1 3.5 10.5

100 6.2 2.4 7.2





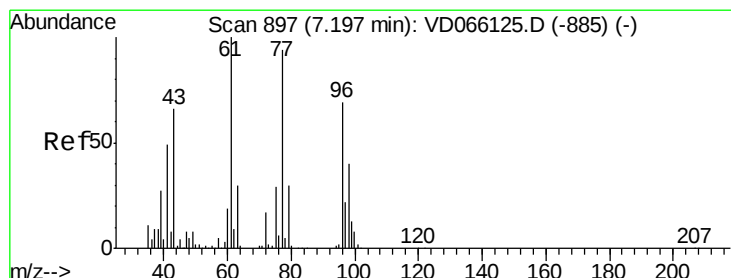
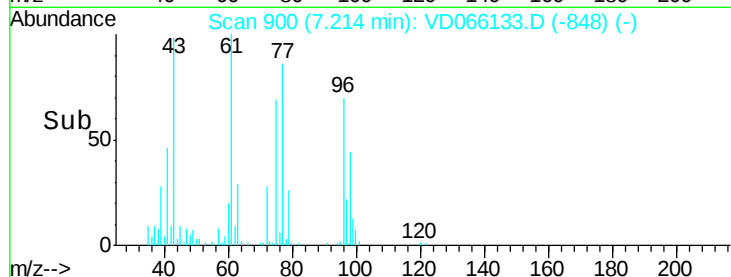
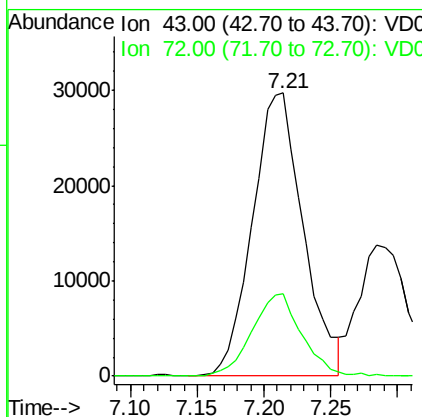
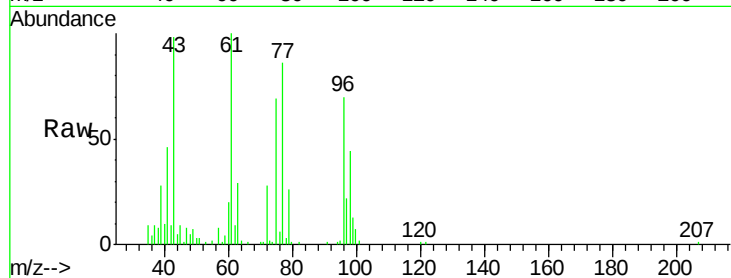
#25
2-Butanone
Concen: 94.456 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 43 Resp: 78758
Ion Ratio Lower Upper
43 100
72 29.0 22.2 33.2

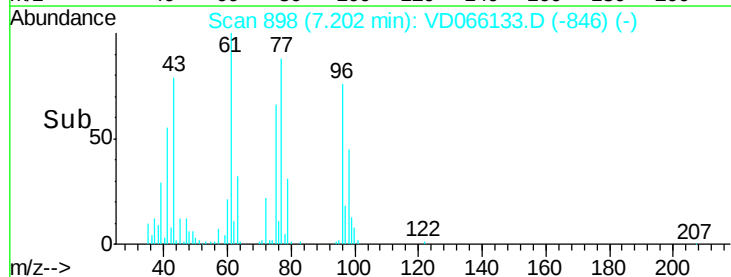
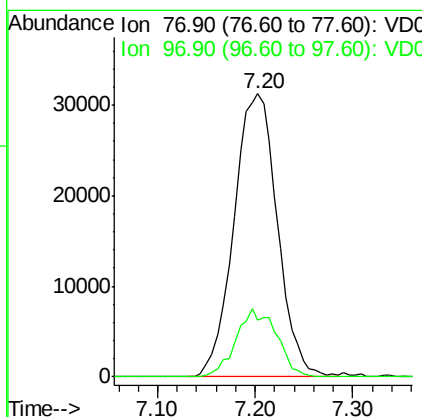
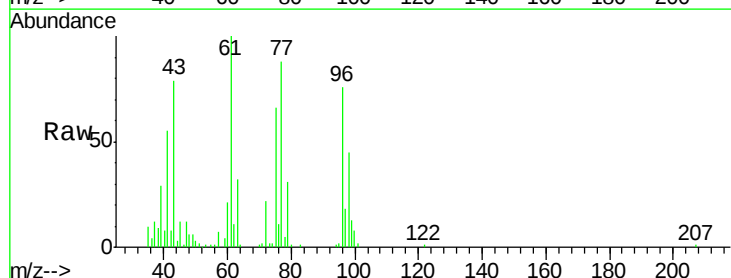
Manual Integrations
APPROVED

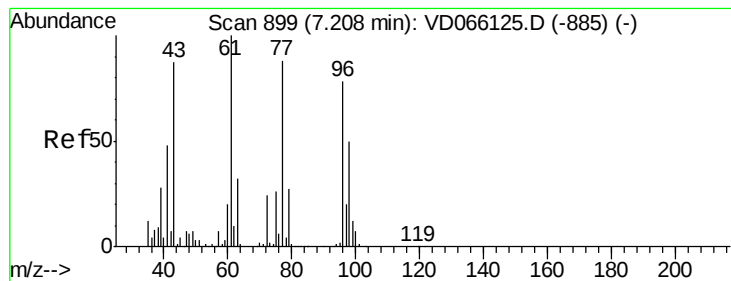
MMDadoda
8/7/2020 12:48:31 PM



#26
2,2-Dichloropropane
Concen: 19.721 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion: 77 Resp: 97193
Ion Ratio Lower Upper
77 100
97 22.5 11.8 35.3





#27

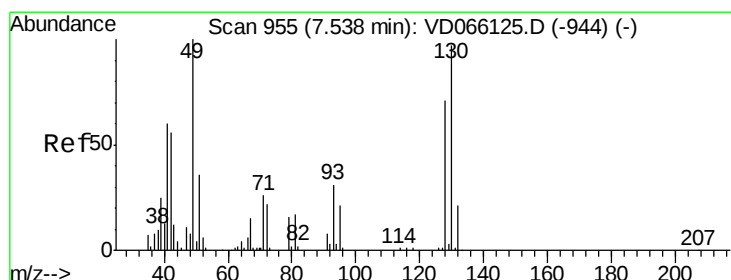
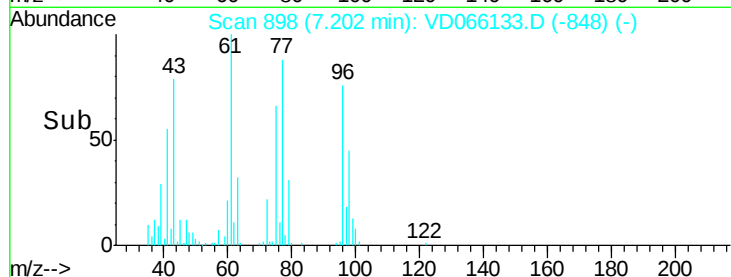
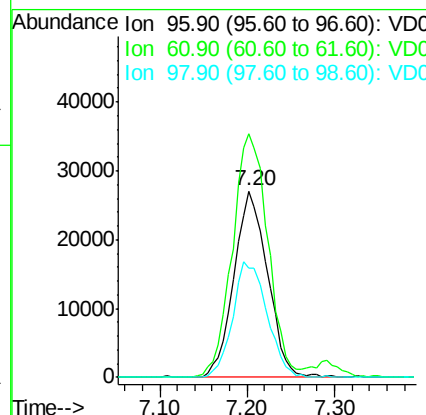
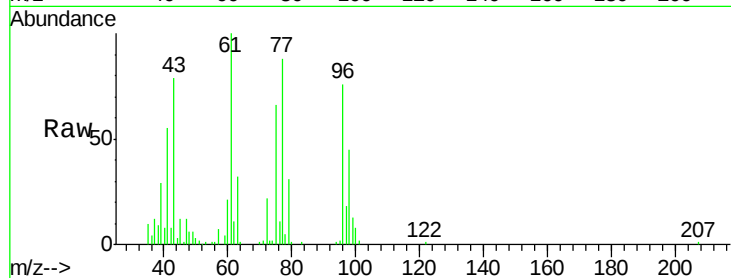
cis-1,2-Dichloroethene
Concen: 19.767 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	281.6
98	62.8	0.0	130.8

Manual Integrations
APPROVED

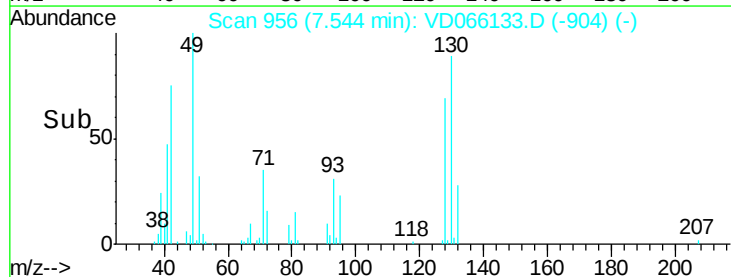
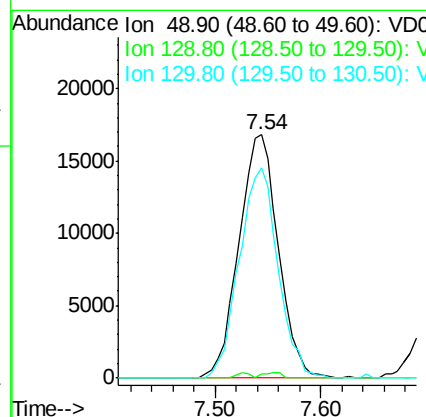
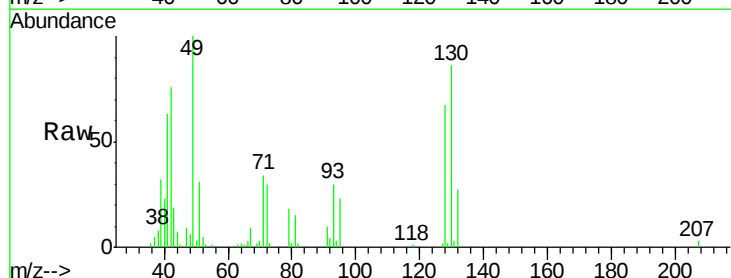
MMDadoda
8/7/2020 12:48:31 PM

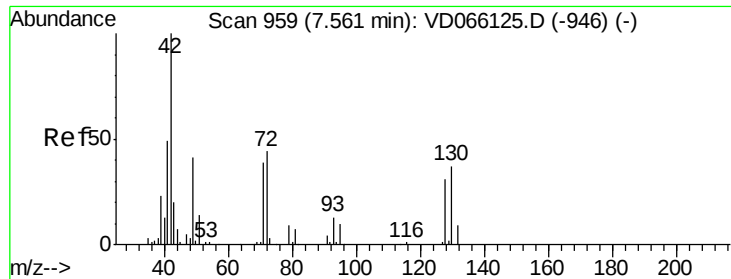


#28

Bromochloromethane
Concen: 22.492 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	6.0
130	85.2	73.8	110.6





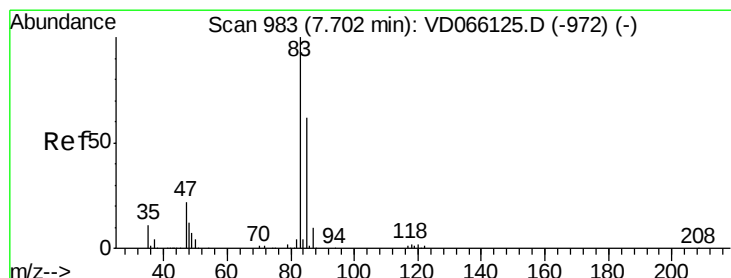
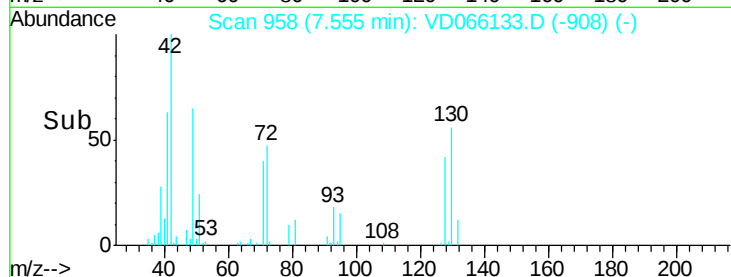
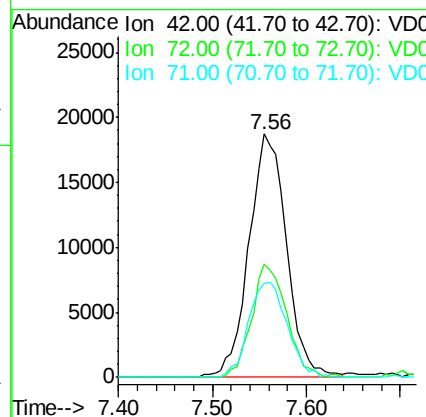
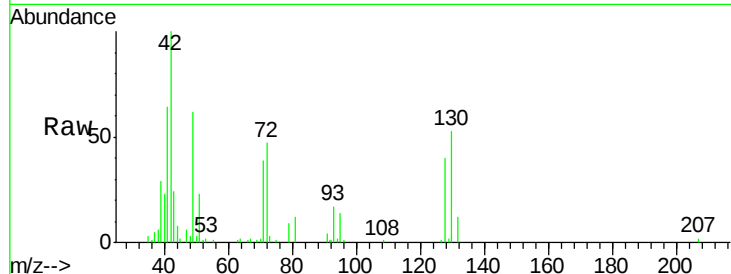
#29
Tetrahydrofuran
Concen: 100.455 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.8	52.2
71	39.9	33.5	50.3

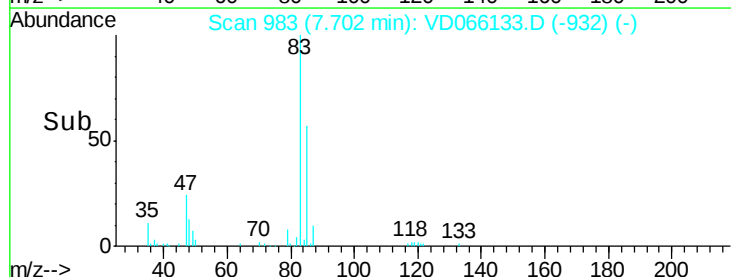
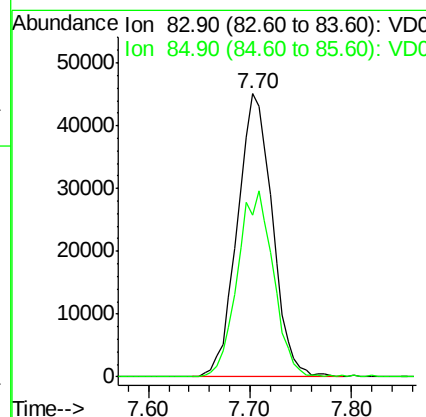
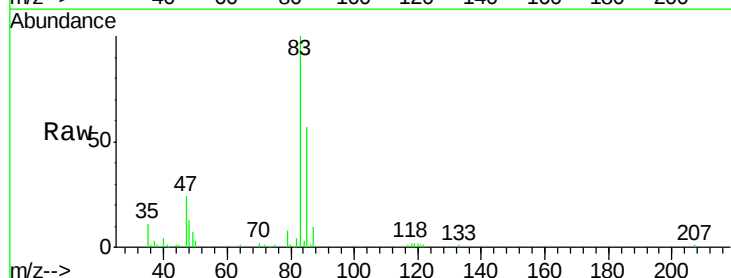
Manual Integrations
APPROVED

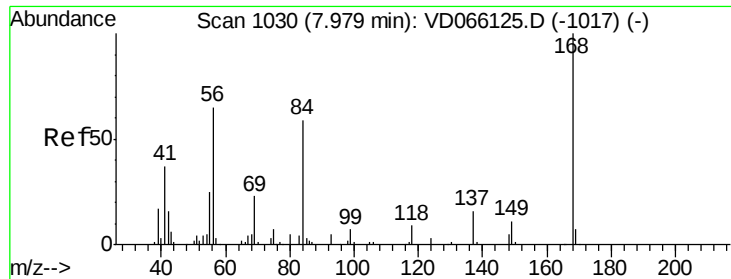
MMDadoda
8/7/2020 12:48:31 PM



#30
Chloroform
Concen: 18.724 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.2	49.5	74.3





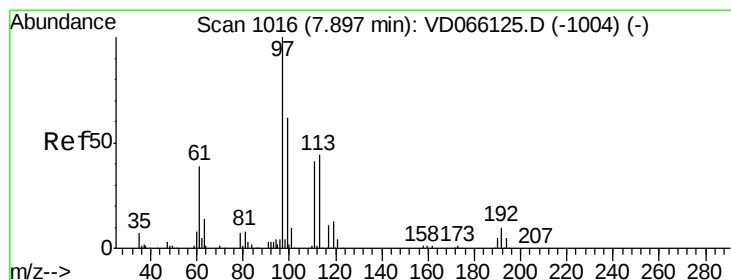
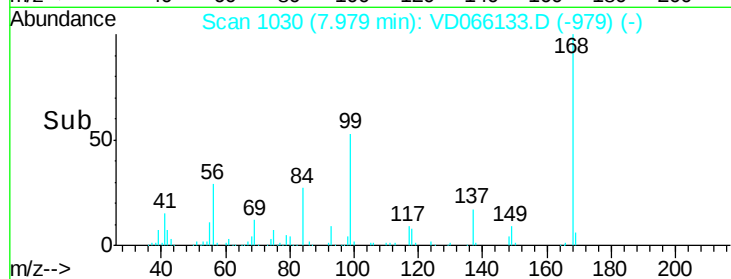
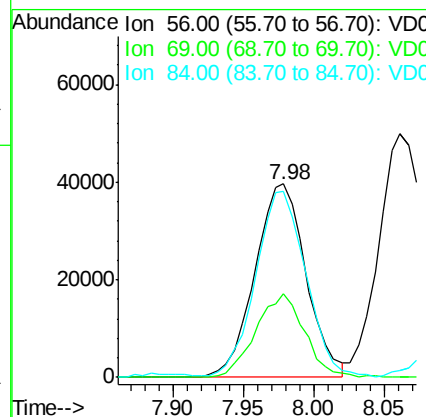
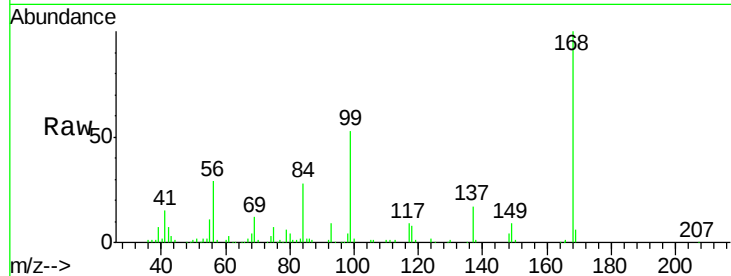
#31
Cyclohexane
Concen: 19.187 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.1	28.8	43.2
84	95.5	73.0	109.6

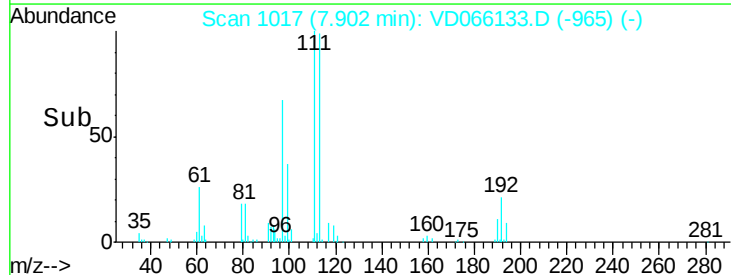
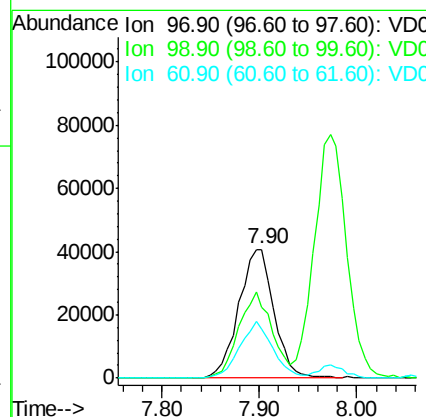
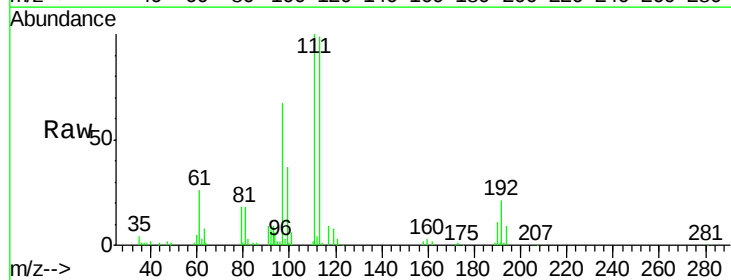
Manual Integrations
APPROVED

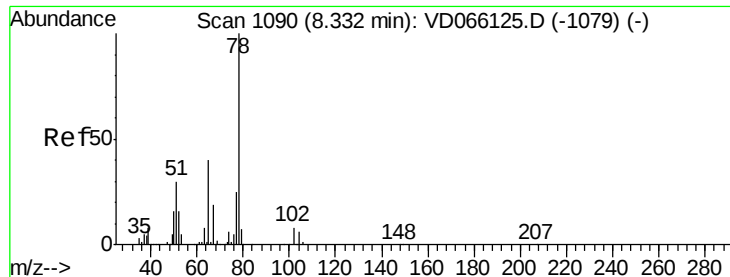
MMDadoda
8/7/2020 12:48:31 PM



#32
1,1,1-Trichloroethane
Concen: 18.902 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	41.4	32.7	49.1





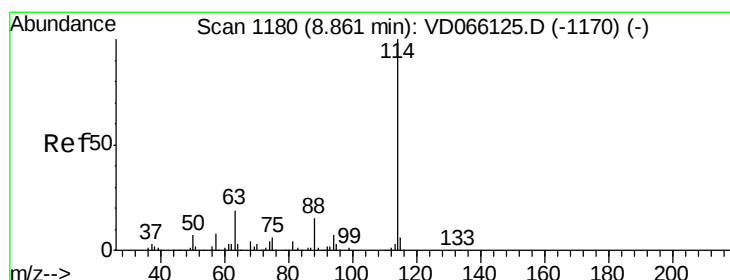
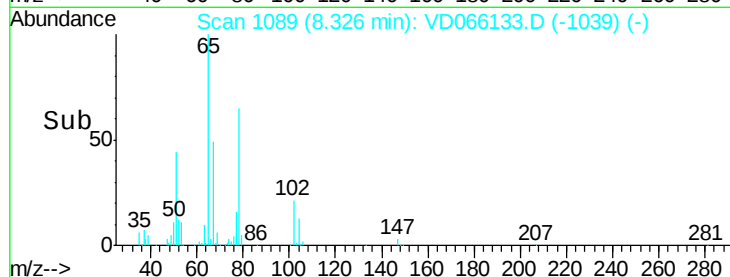
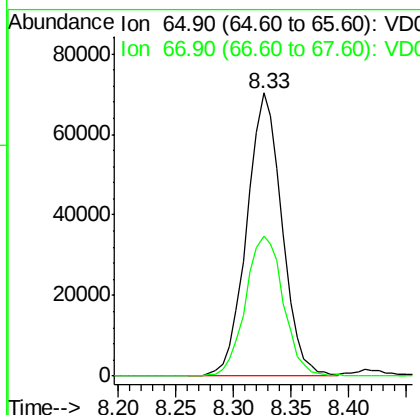
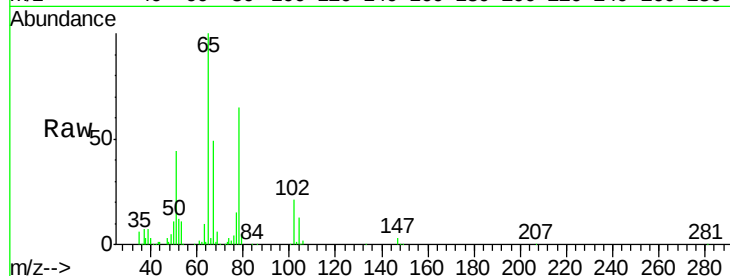
#33
 1,2-Dichloroethane-d4
 Concen: 50.058 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	104.6	

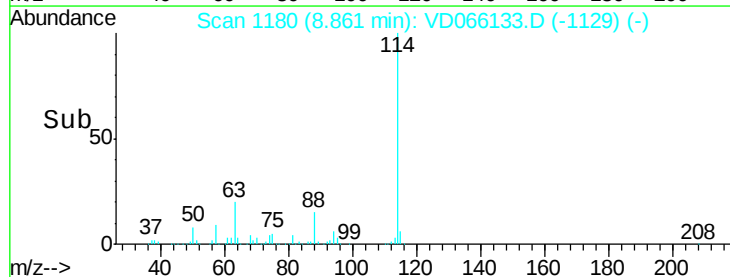
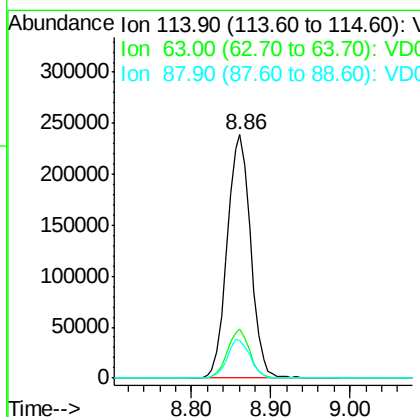
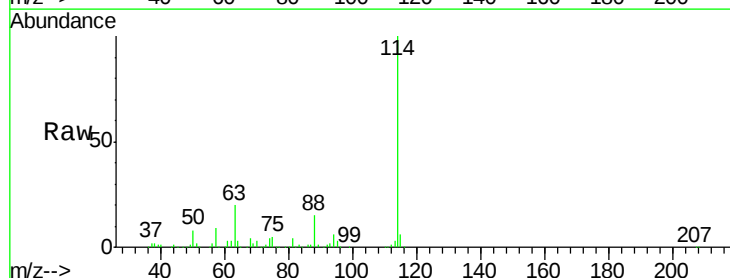
Manual Integrations
 APPROVED

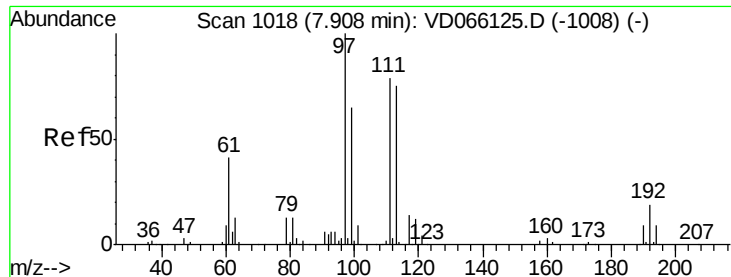
MMDadoda
 8/7/2020 12:48:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	38.6	
88	15.3	0.0	30.0	





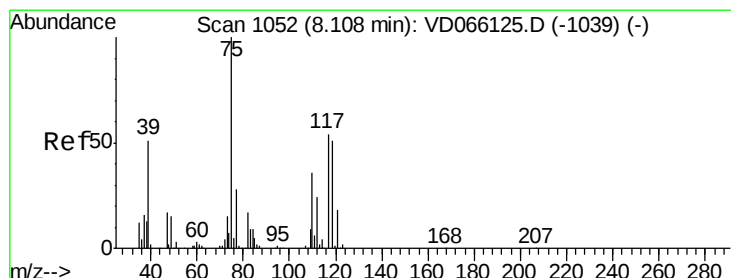
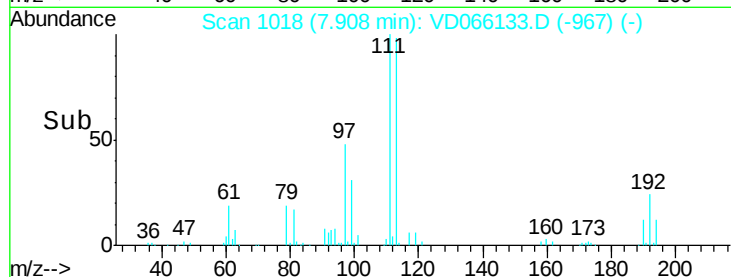
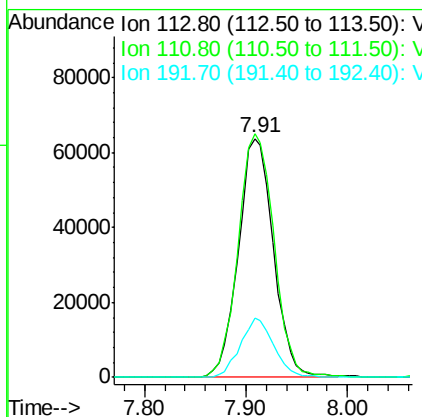
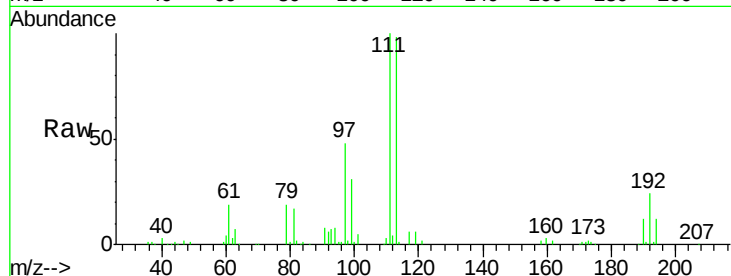
#35
 Dibromofluoromethane
 Concen: 49.523 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152591		
111	104.7	80.7	121.1	
192	23.8	18.4	27.6	

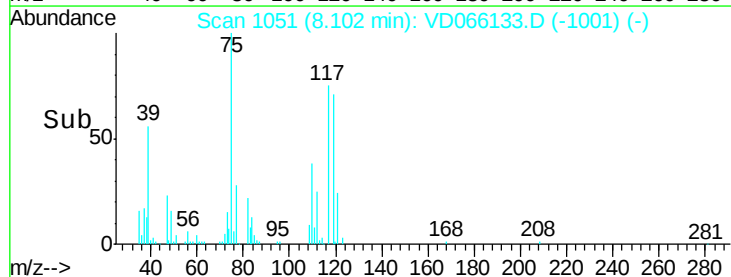
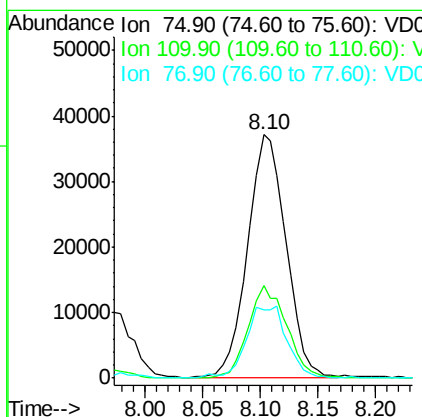
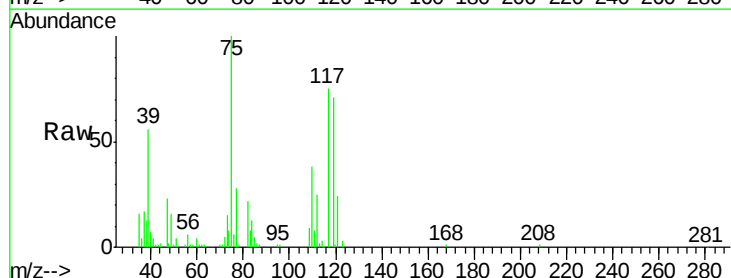
Manual Integrations
 APPROVED

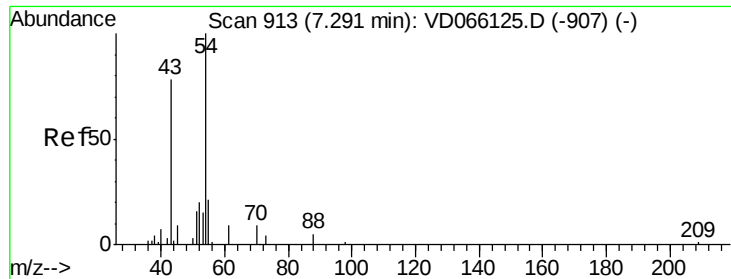
MMDadoda
 8/7/2020 12:48:31 PM



#36
 1,1-Dichloropropene
 Concen: 18.961 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86661		
110	37.8	18.8	56.3	
77	31.1	24.2	36.2	





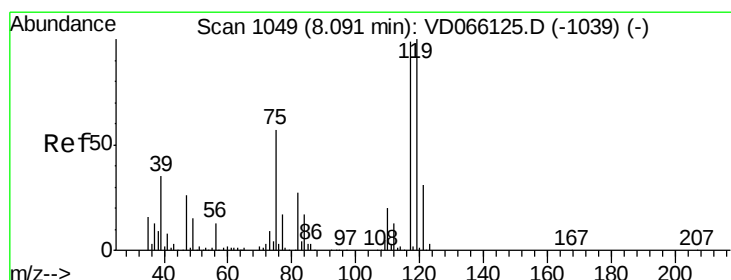
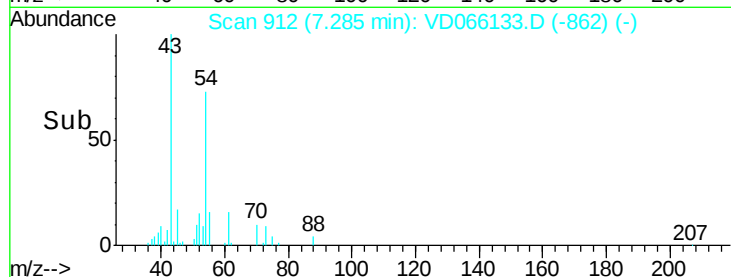
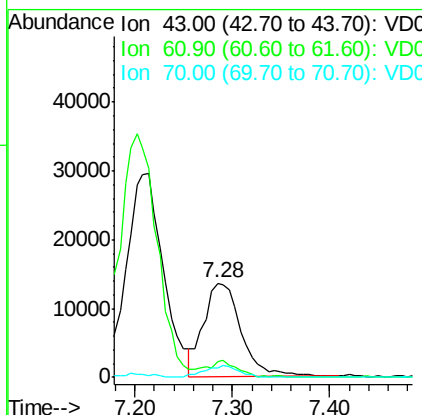
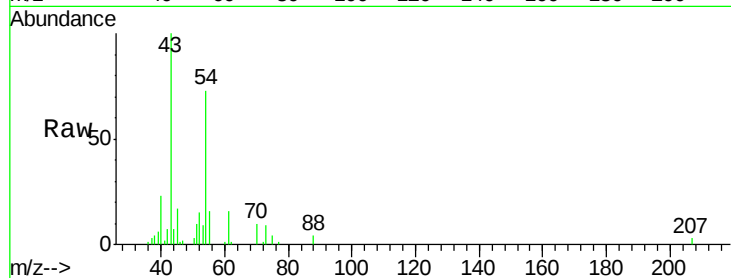
#37
Ethyl Acetate
Concen: 19.954 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.0	18.0
70	11.2	9.7	14.5

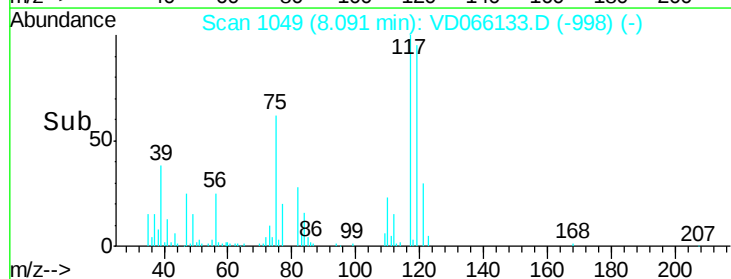
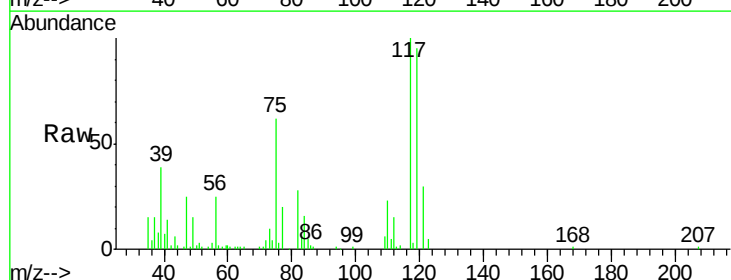
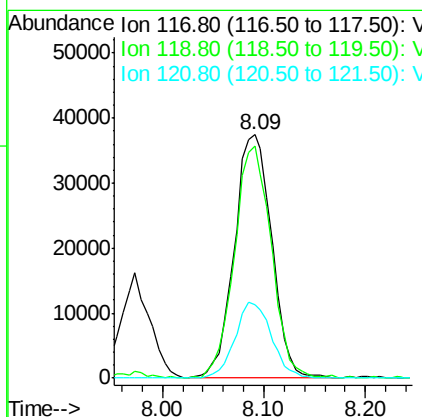
Manual Integrations
APPROVED

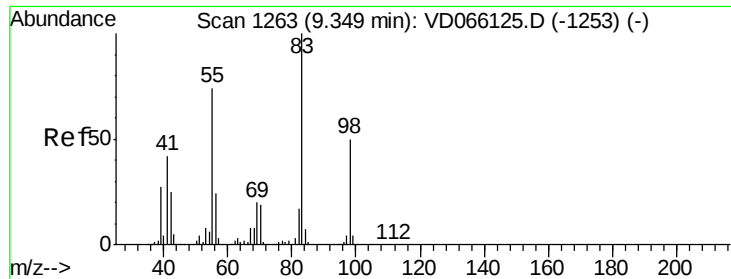
MMDadoda
8/7/2020 12:48:31 PM



#38
Carbon Tetrachloride
Concen: 18.829 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	81.0	121.4
121	30.0	24.8	37.2





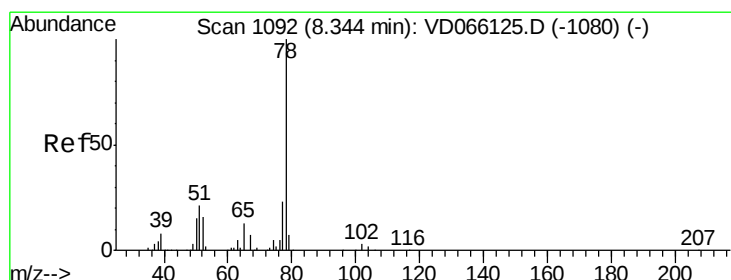
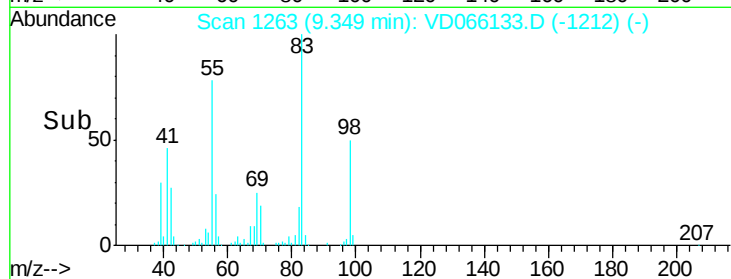
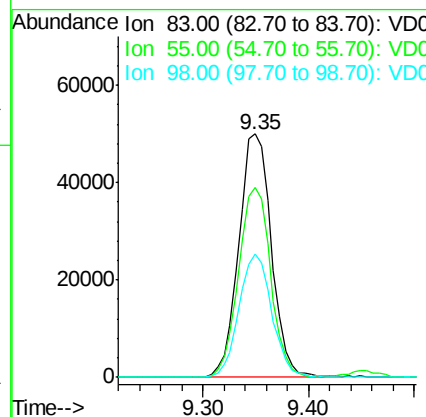
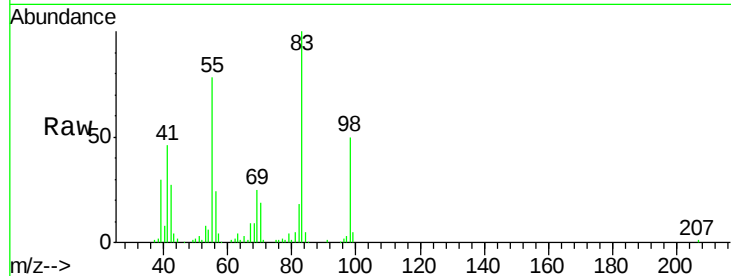
#39
Methvlcvclohexane
Concen: 19.344 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	83	Resp	106879
Ion Ratio	Lower	Upper	
83	100		
55	78.0	59.2	88.8
98	50.5	39.8	59.6

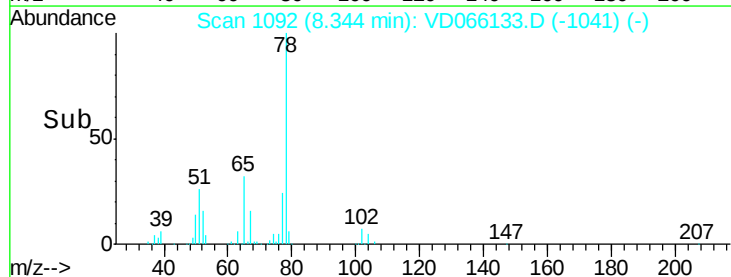
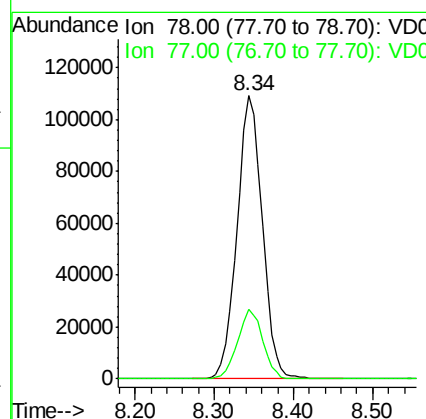
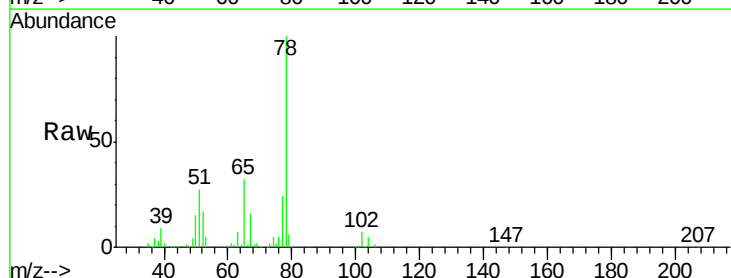
Manual Integrations
APPROVED

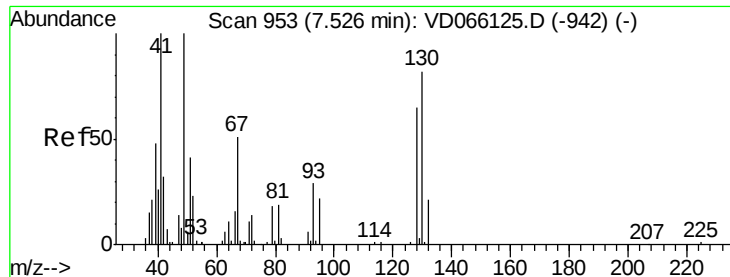
MMDadoda
8/7/2020 12:48:31 PM



#40
Benzene
Concen: 19.056 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	78	Resp	241617
Ion Ratio	Lower	Upper	
78	100		
77	24.4	18.6	27.8





#41

Methacrylonitrile

Concen: 19.479 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

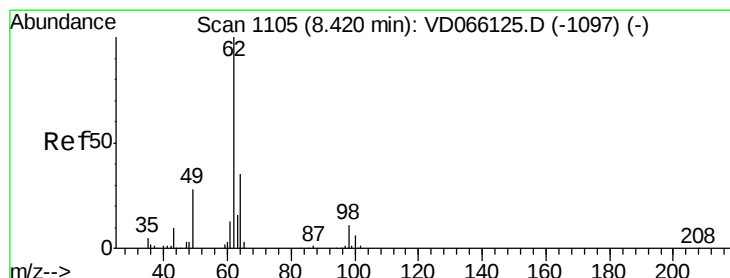
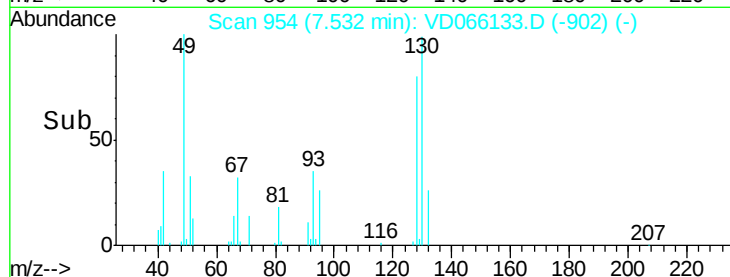
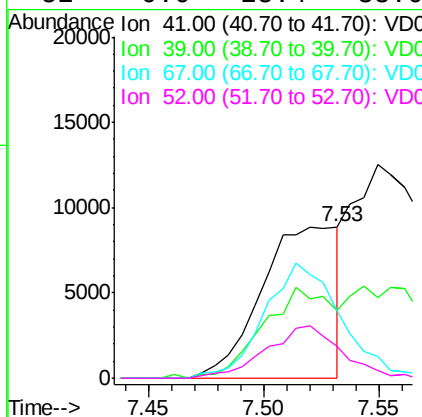
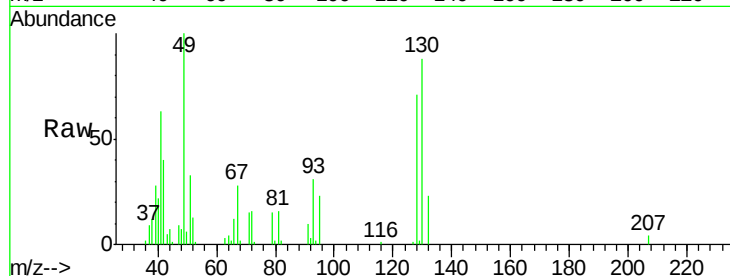
ClientSampled :

VD0806SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#42

1,2-Dichloroethane

Concen: 19.245 ug/l

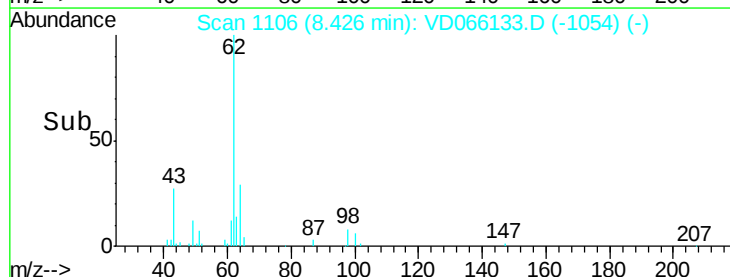
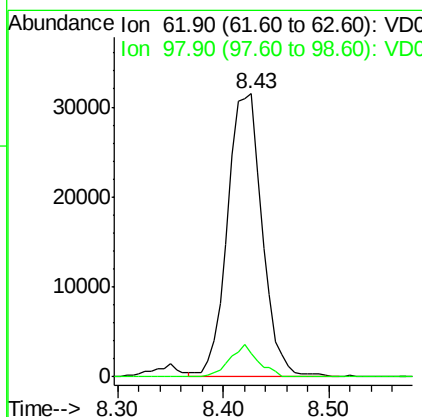
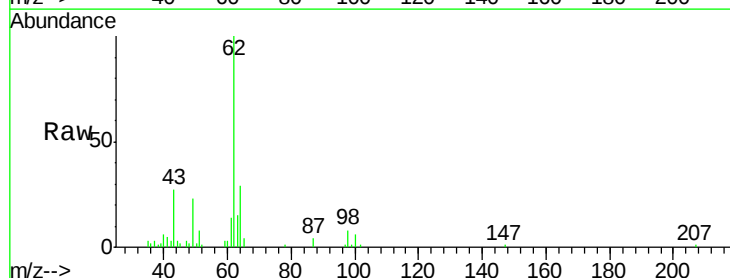
RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





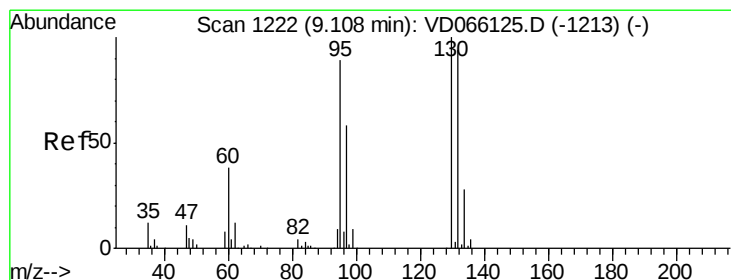
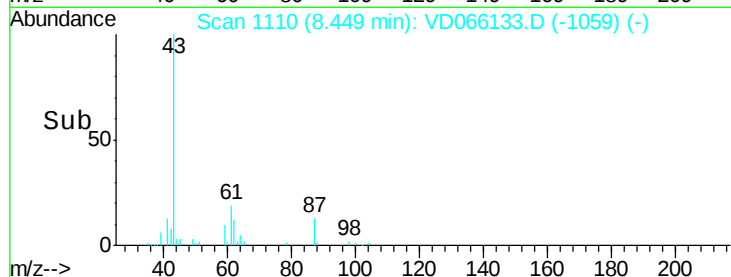
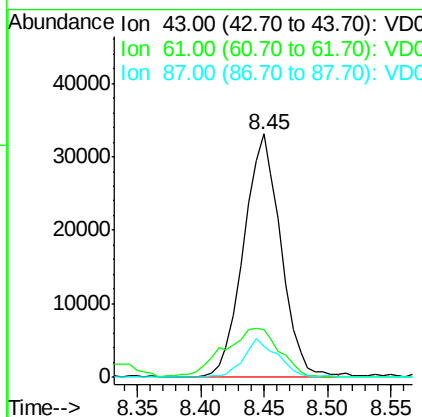
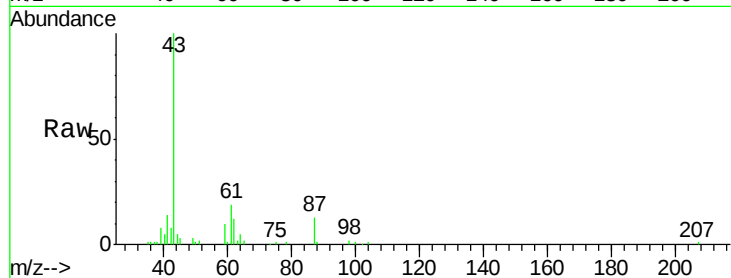
#43
Isopropyl Acetate
Concen: 19.001 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBSD01

Tot Ion	43	Resp	67795
Ion Ratio	100	Lower	Upper
43	100		
61	30.0	25.5	38.3
87	14.4	11.2	16.8

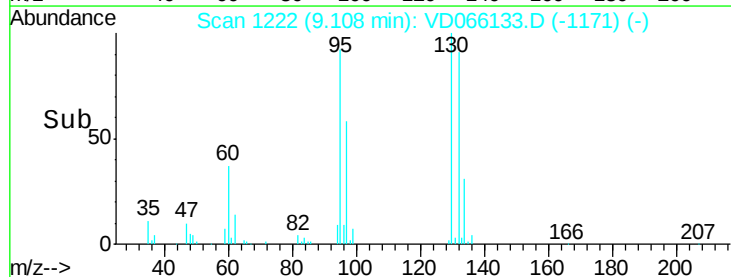
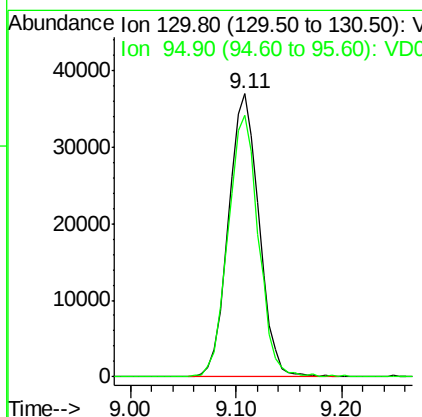
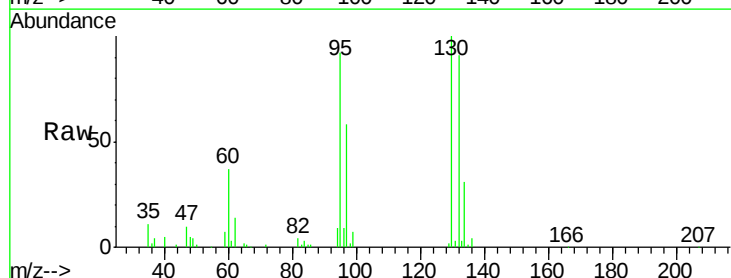
Manual Integrations
APPROVED

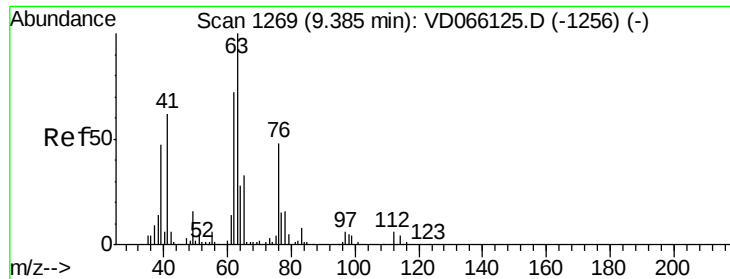
MMDadoda
8/7/2020 12:48:31 PM



#44
Trichloroethene
Concen: 19.275 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	130	Resp	73643
Ion Ratio	100	Lower	Upper
130	100		
95	92.4	0.0	178.4





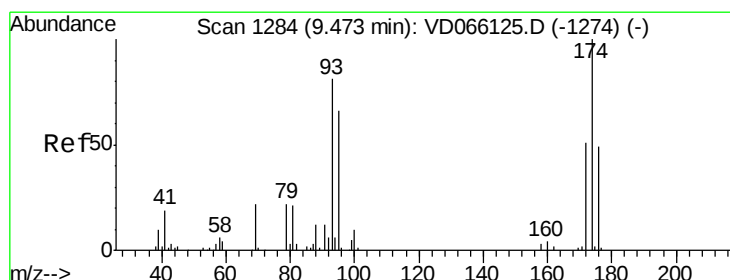
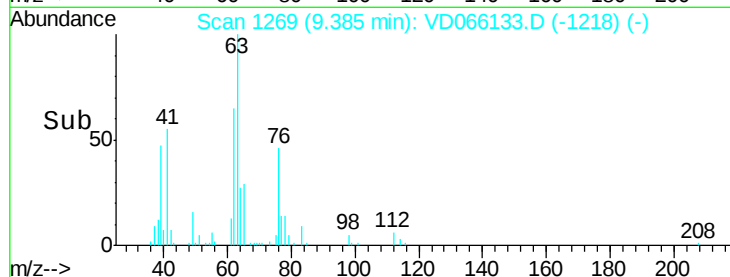
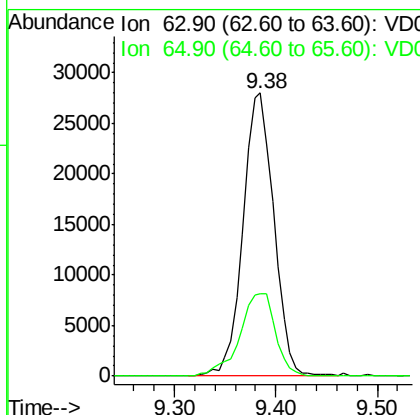
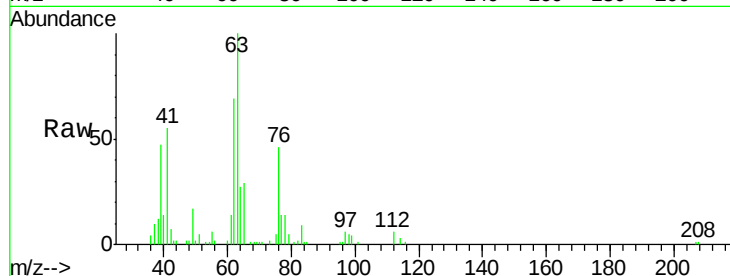
#45
 1,2-Dichloropropane
 Concen: 19.107 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 63 Resp: 59251
 Ion Ratio Lower Upper
 63 100
 65 29.0 26.5 39.7

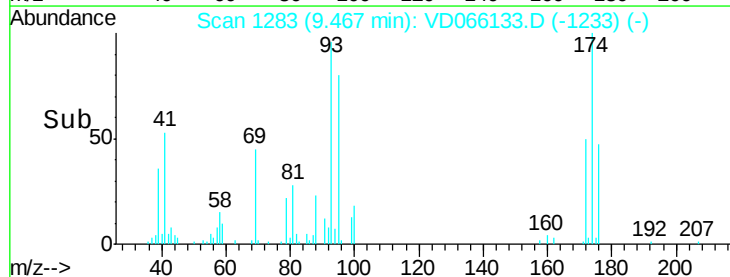
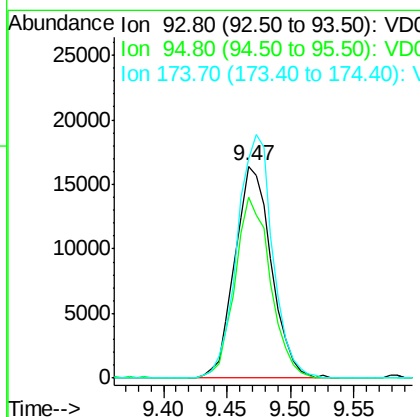
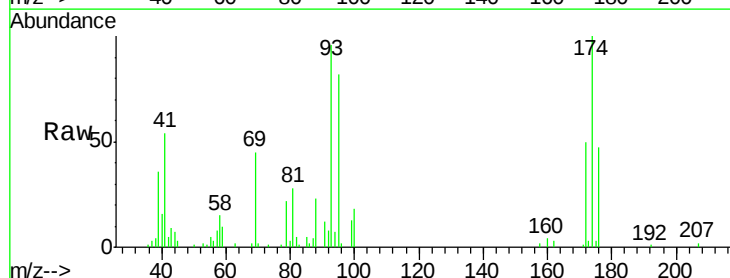
Manual Integrations
 APPROVED

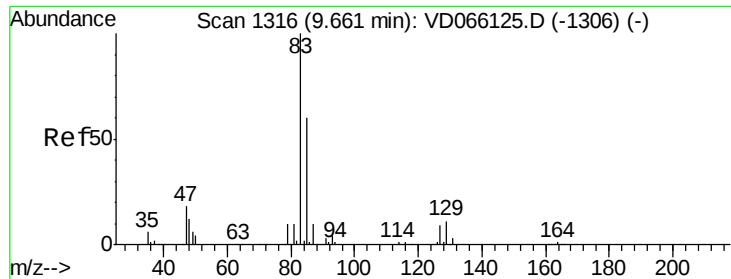
MMDadoda
 8/7/2020 12:48:31 PM



#46
 Dibromomethane
 Concen: 19.210 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion: 93 Resp: 32813
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.8 98.6
 174 111.9 92.8 139.2





#47

Bromodichloromethane

Concen: 18.342 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

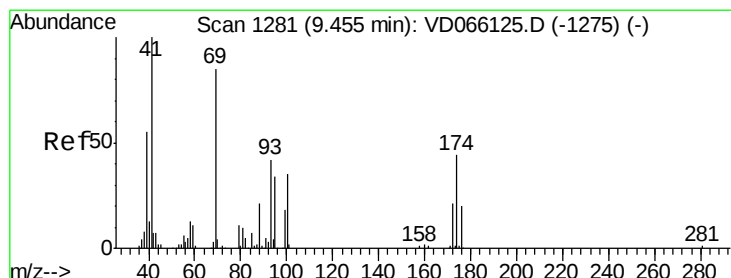
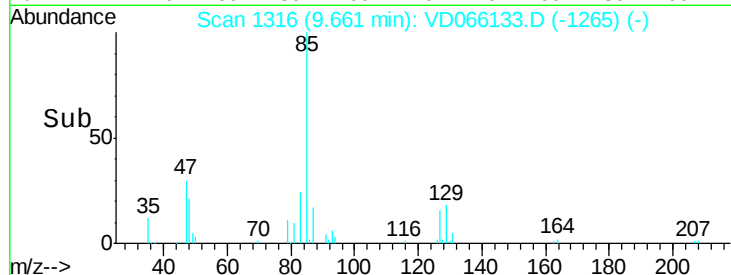
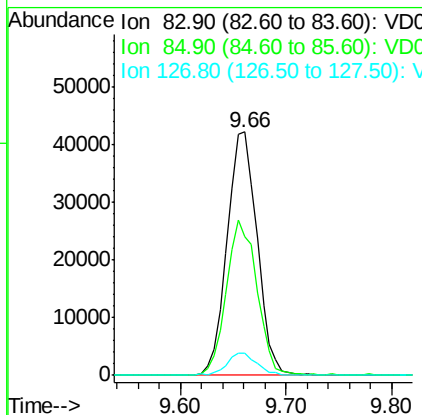
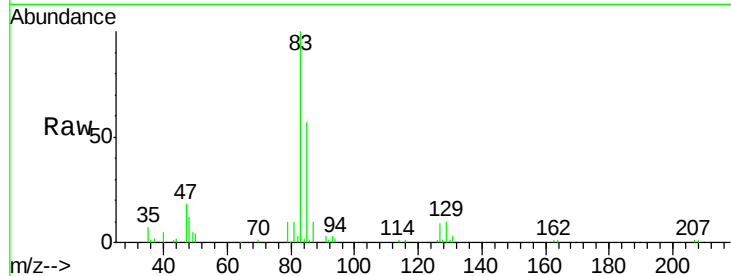
ClientSampleId :

VD0806SBS01

Tot Ion:	83	Resp:	82805
Ion	Ratio	Lower	Upper
83	100		
85	57.2	48.2	72.4
127	9.2	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#48

Methyl methacrylate

Concen: 20.015 ug/l

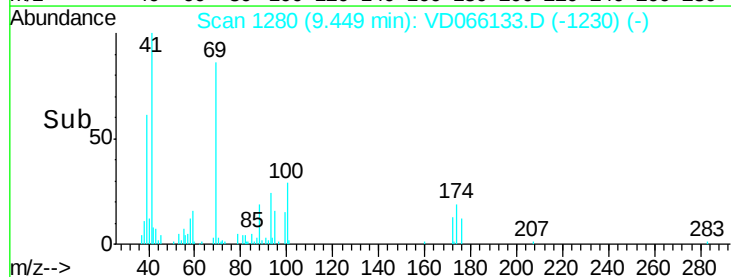
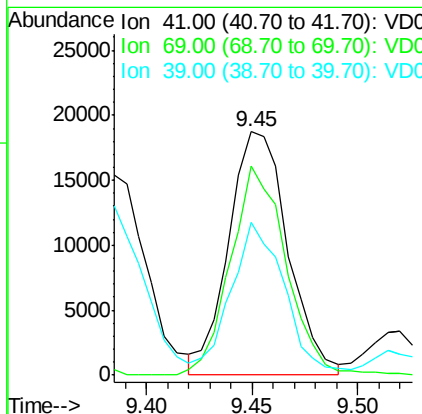
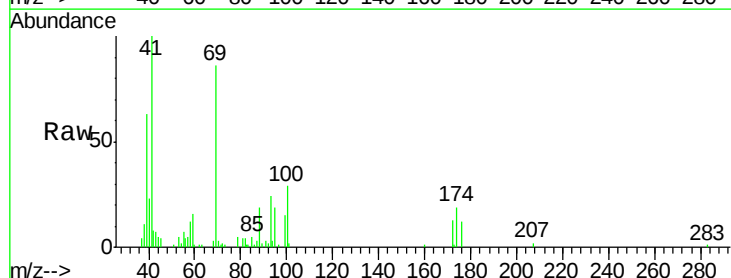
RT: 9.45 min Scan# 1280

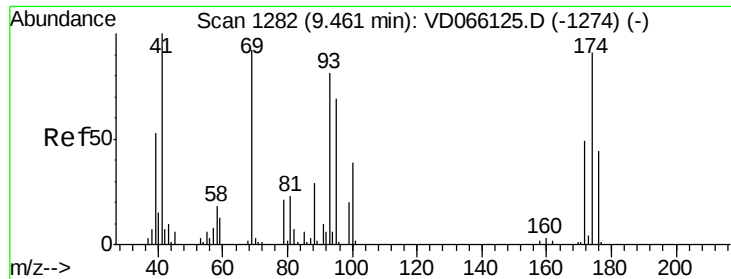
Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	41	Resp:	36466
Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.9	95.9
39	52.0	42.6	64.0





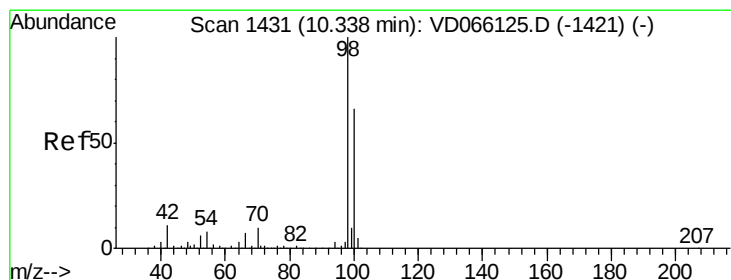
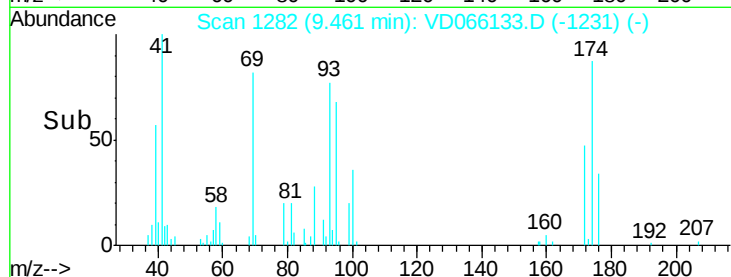
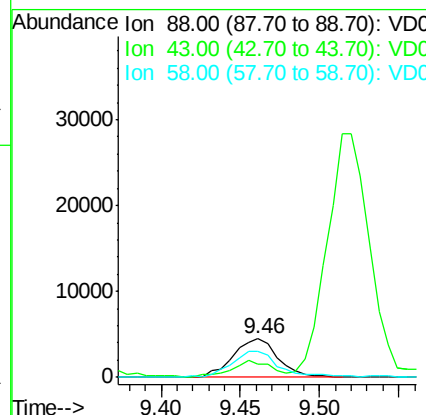
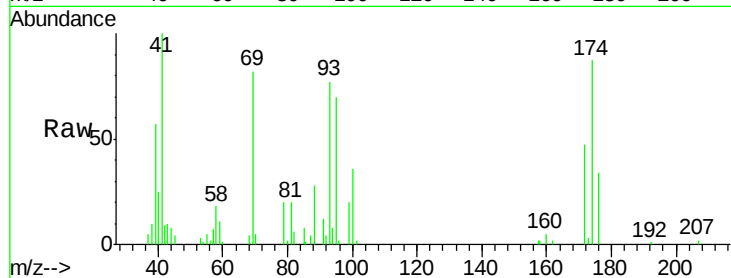
#49
1,4-Dioxane
Concen: 400.371 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	27.5	41.3
58	73.5	50.2	75.4

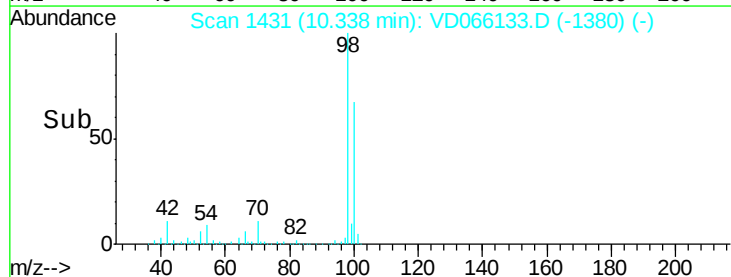
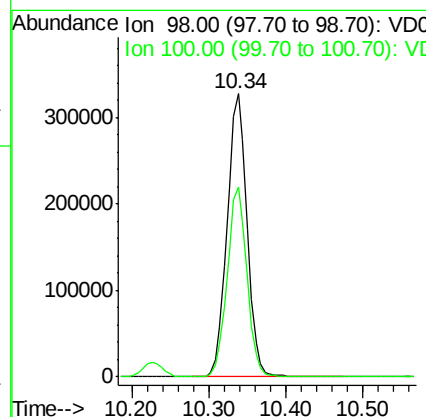
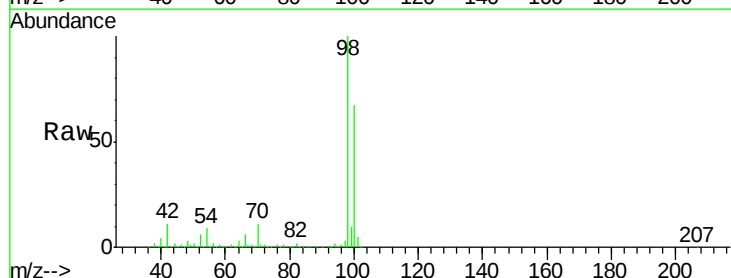
Manual Integrations
APPROVED

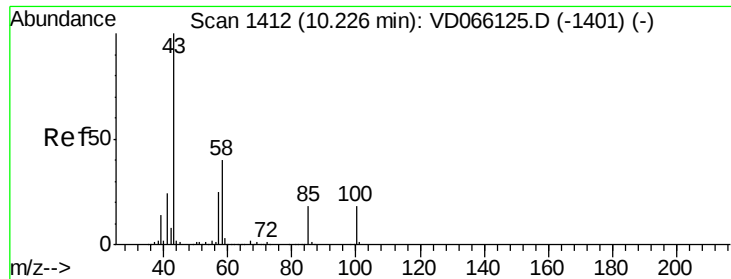
MMDadoda
8/7/2020 12:48:31 PM



#50
Toluene-d8
Concen: 51.693 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





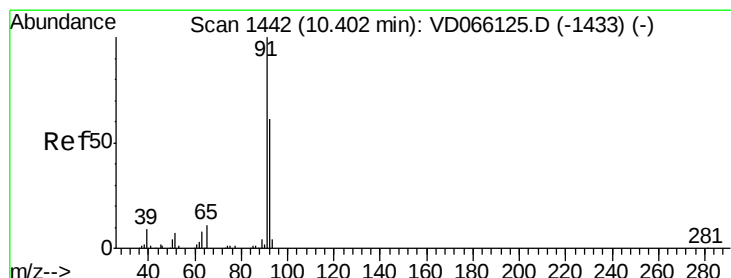
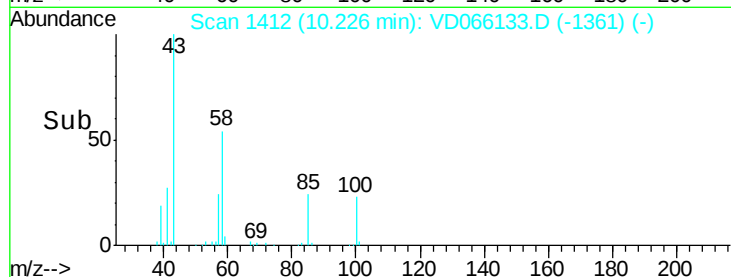
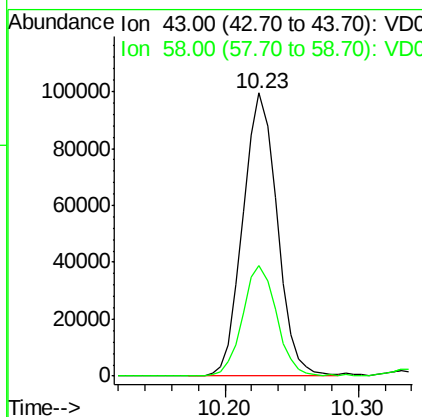
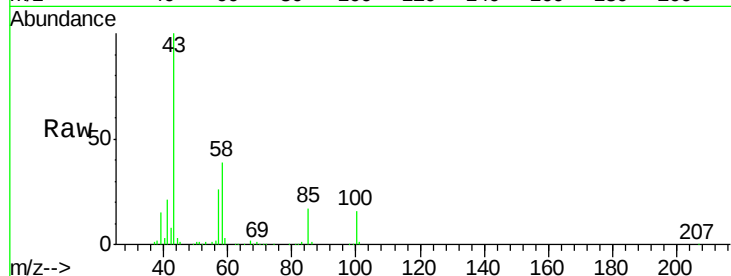
#51
4-Methyl-2-Pentanone
Concen: 96.432 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	43	Resp	176736
Ion Ratio	43	100	
Lower	58	38.7	31.1
Upper			46.7

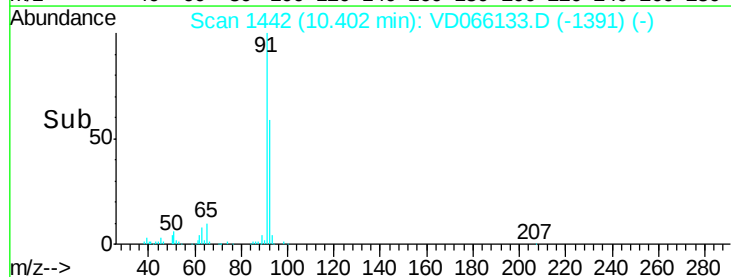
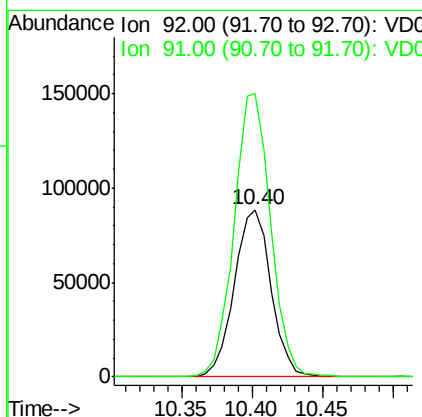
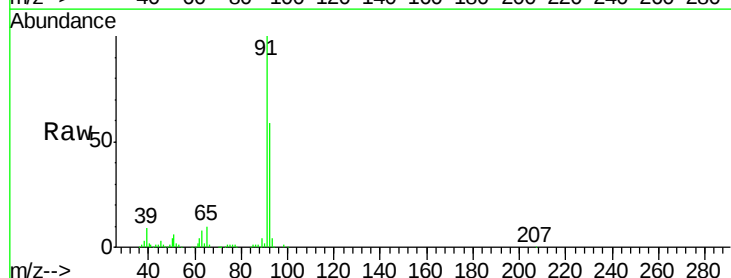
Manual Integrations
APPROVED

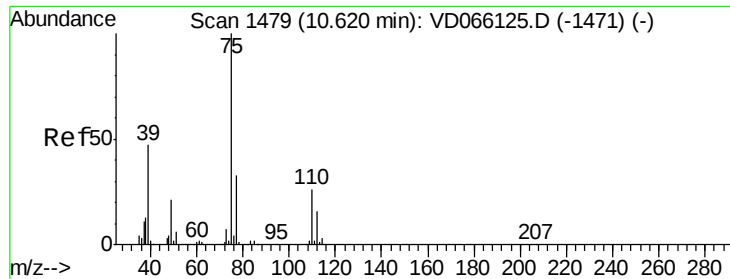
MMDadoda
8/7/2020 12:48:31 PM



#52
Toluene
Concen: 19.311 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	92	Resp	161116
Ion Ratio	92	100	
Lower	91	168.7	135.2
Upper			202.8





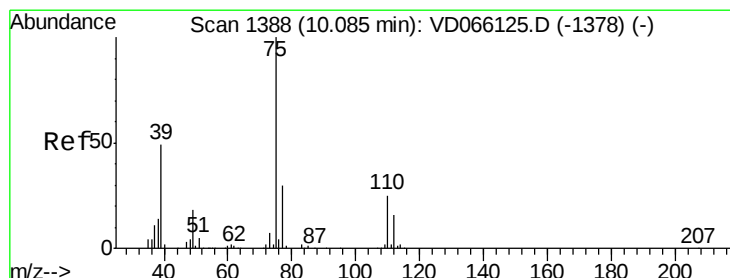
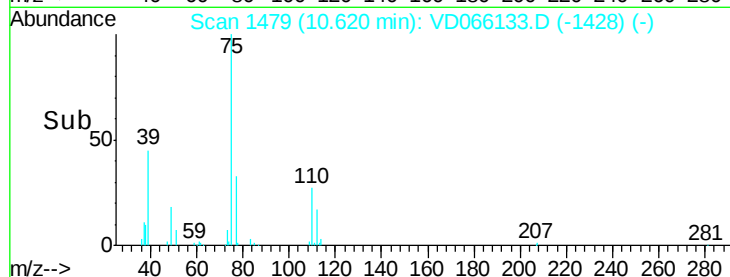
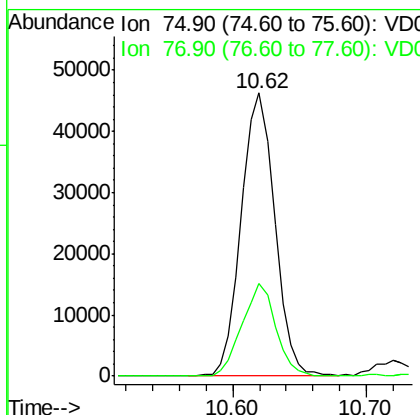
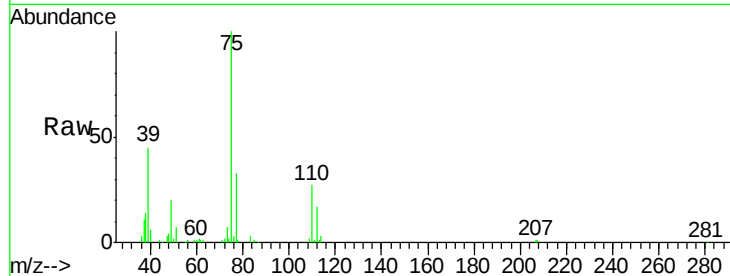
#53
t-1,3-Dichloropropene
Concen: 18.822 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.2

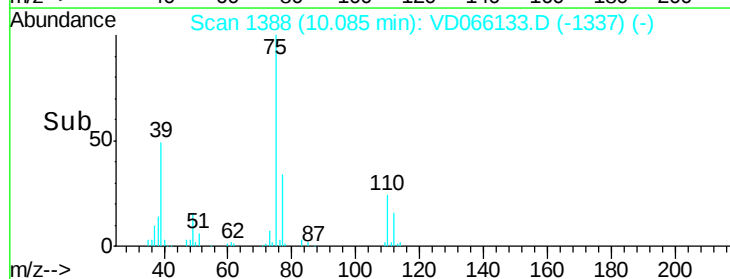
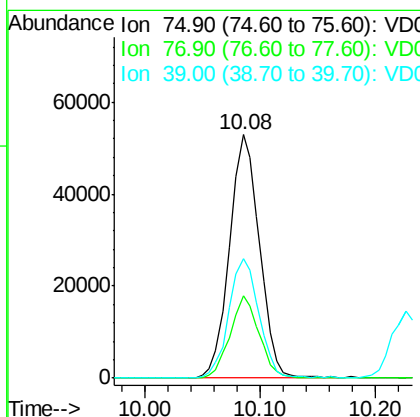
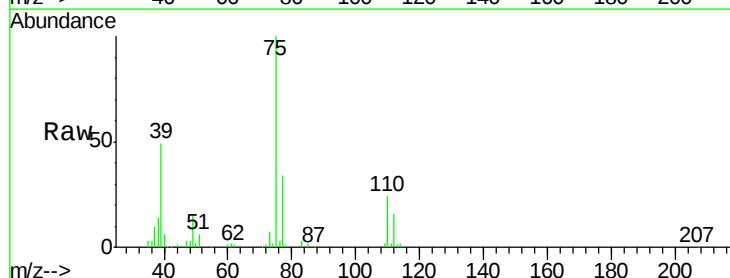
Manual Integrations
APPROVED

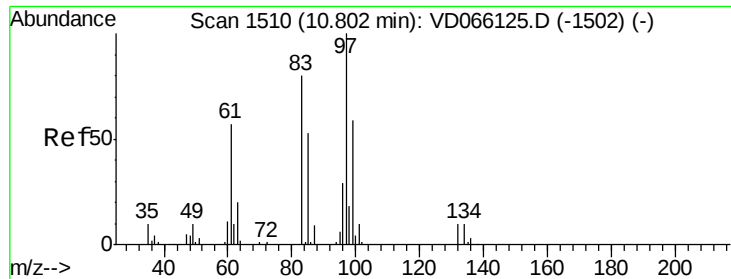
MMDadoda
8/7/2020 12:48:31 PM



#54
cis-1,3-Dichloropropene
Concen: 18.985 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.3	36.5
39	49.0	39.3	58.9





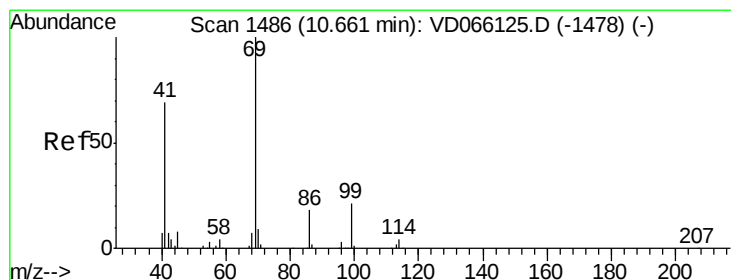
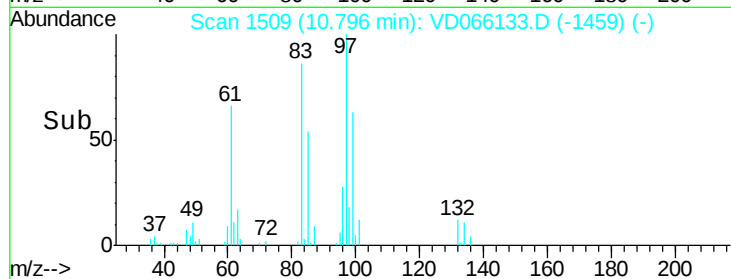
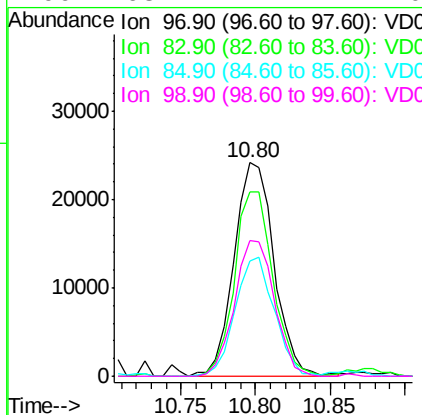
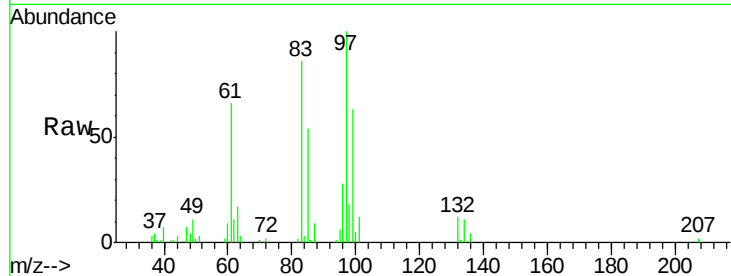
#55
 1,1,2-Trichloroethane
 Concen: 18.376 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion:	97	Resp:	45196
Ion	Ratio	Lower	Upper
97	100		
83	86.1	63.9	95.9
85	54.1	42.5	63.7
99	63.4	47.4	71.0

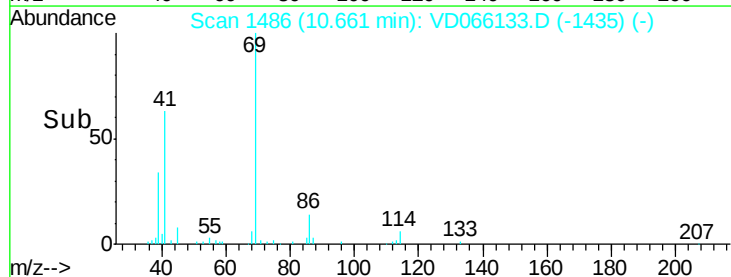
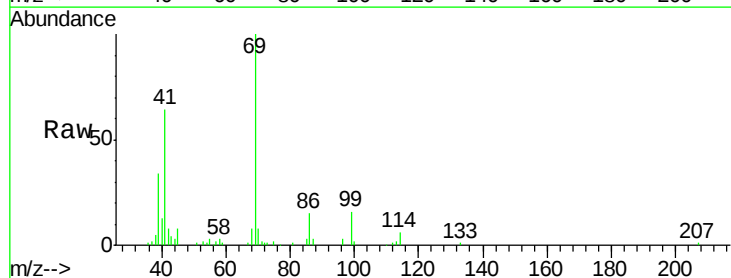
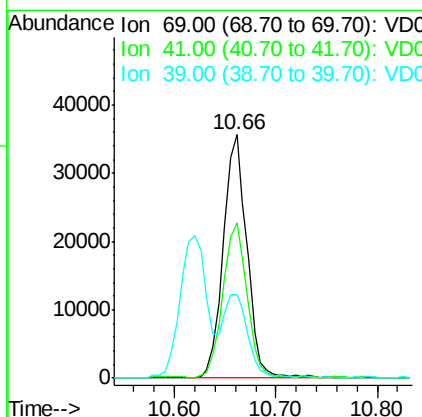
Manual Integrations
 APPROVED

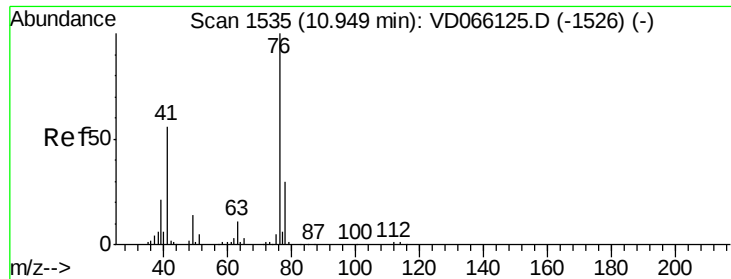
MMDadoda
 8/7/2020 12:48:31 PM



#56
 Ethyl methacrylate
 Concen: 19.510 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion:	69	Resp:	57644
Ion	Ratio	Lower	Upper
69	100		
41	65.5	54.1	81.1
39	33.3	28.6	43.0





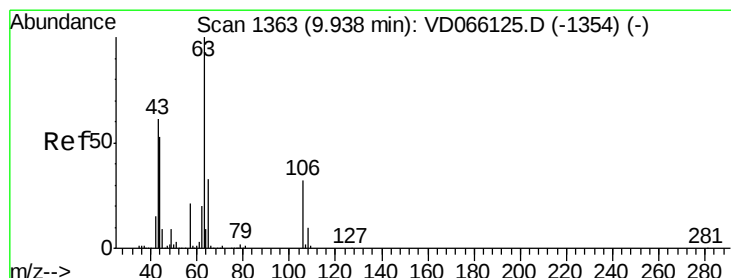
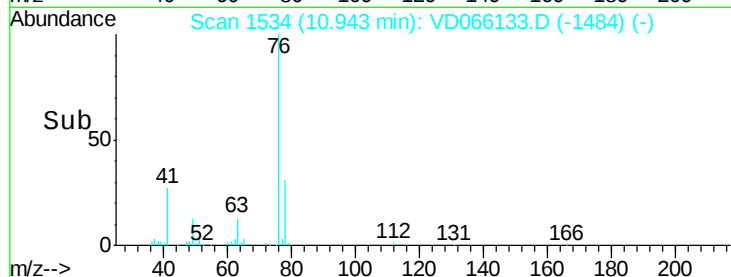
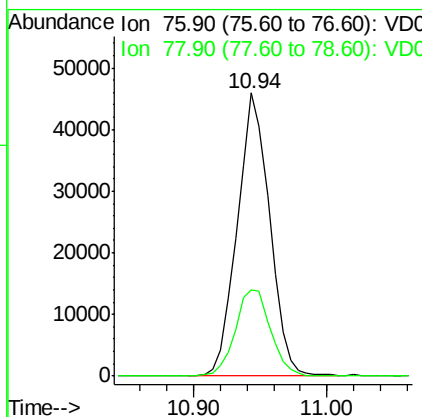
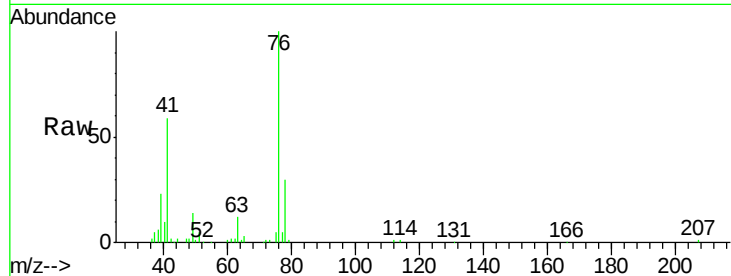
#57
 1,3-Dichloropropane
 Concen: 18.903 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 76 Resp: 77185
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.5 38.3

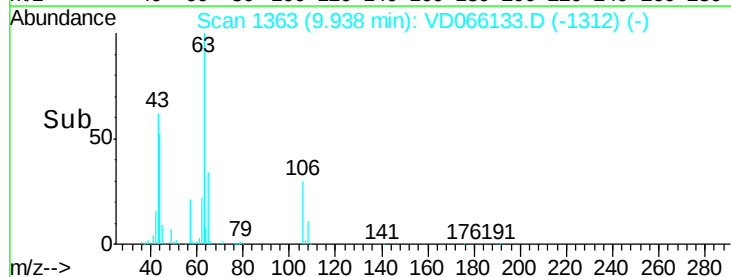
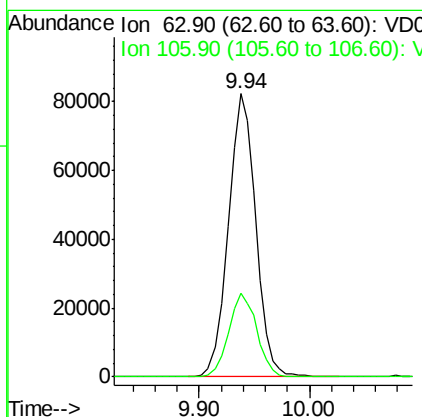
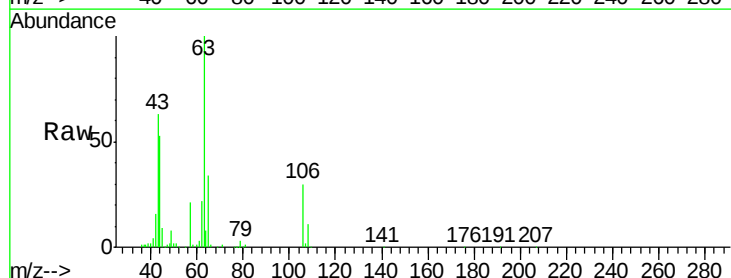
Manual Integrations
 APPROVED

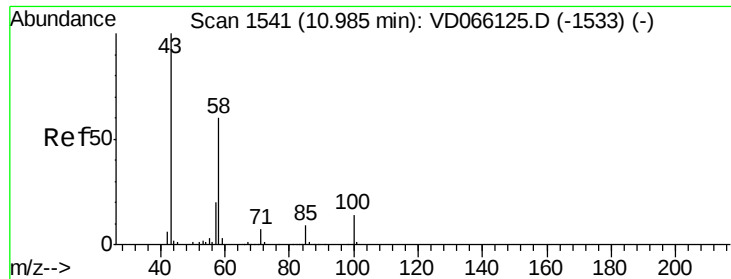
MMDadoda
 8/7/2020 12:48:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.807 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion: 63 Resp: 143280
 Ion Ratio Lower Upper
 63 100
 106 30.0 25.3 37.9





#59

2-Hexanone

Concen: 94.179 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBSD01

Tot Ion: 43 Resp: 121138

Ion Ratio Lower Upper

43 100

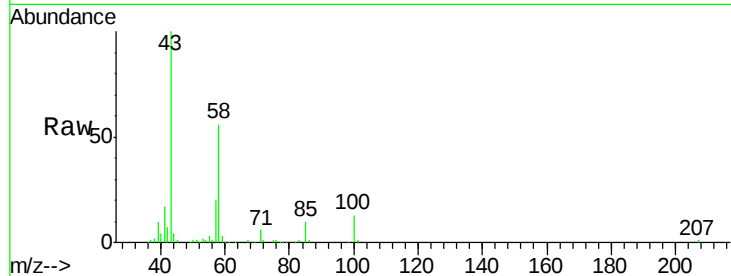
58 55.8 27.8 83.4

Manual Integrations

APPROVED

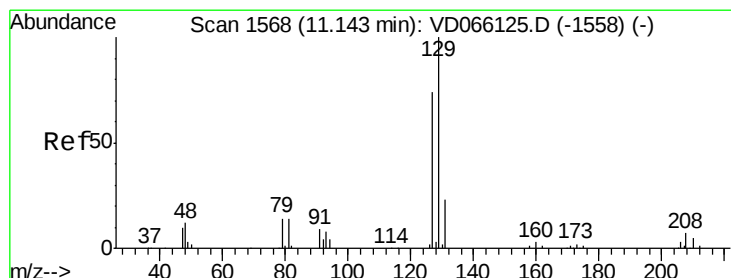
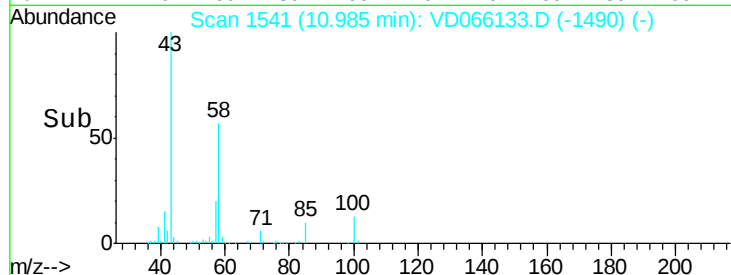
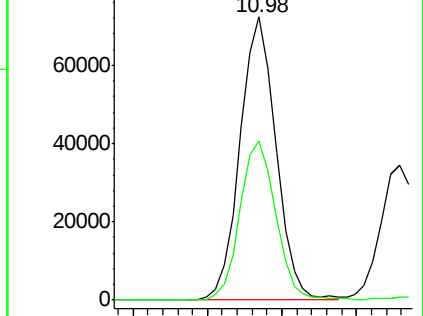
MMDadoda

8/7/2020 12:48:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 17.772 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VD066133.D

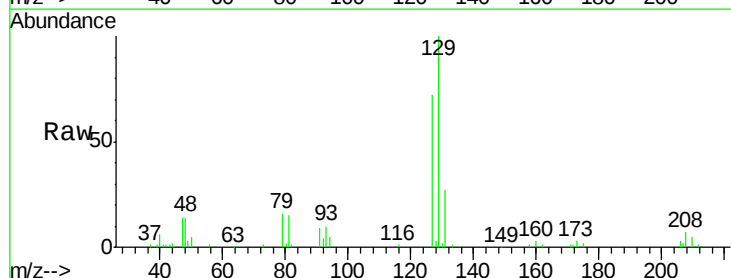
Acq: 06 Aug 2020 14:35

Tgt Ion: 129 Resp: 60348

Ion Ratio Lower Upper

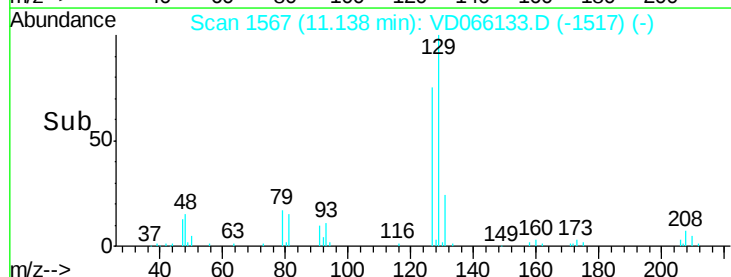
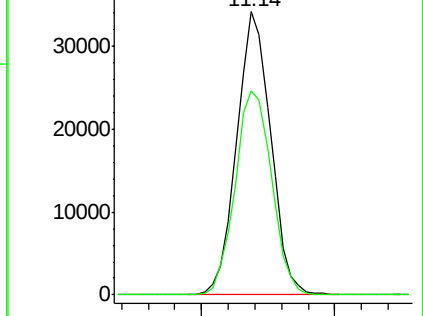
129 100

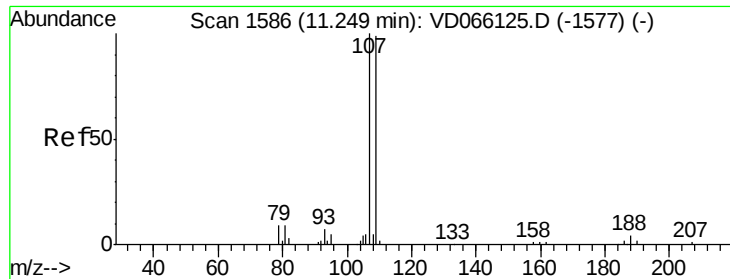
127 77.3 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





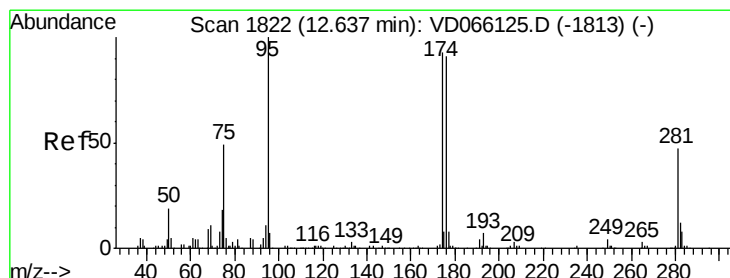
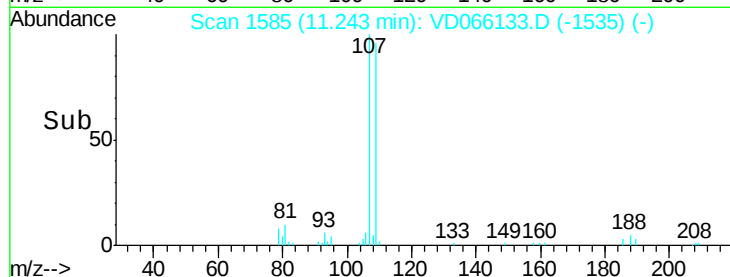
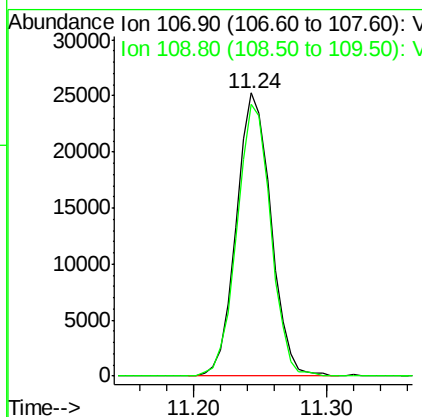
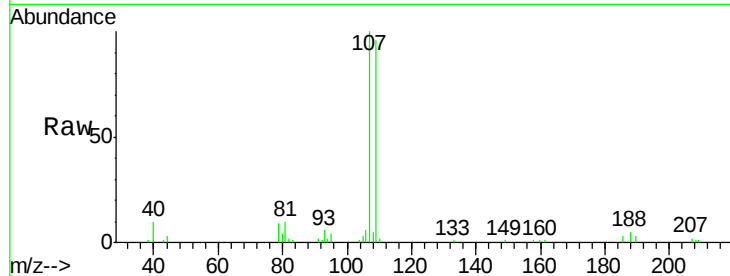
#61
 1,2-Dibromoethane
 Concen: 19.125 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBSD01

Tot Ion: 107 Resp: 45237
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.5 114.7

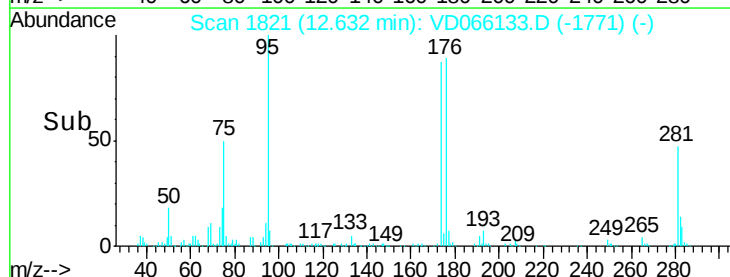
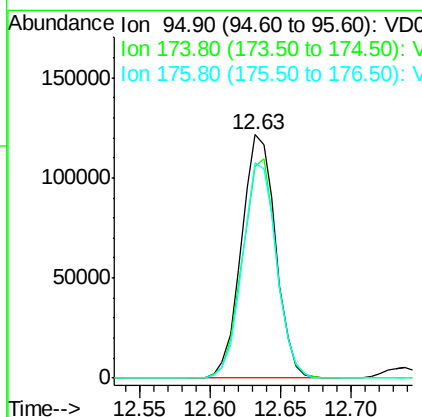
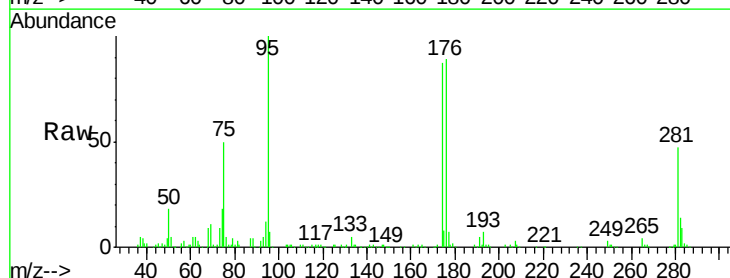
Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:31 PM



#62
 4-Bromofluorobenzene
 Concen: 50.418 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion: 95 Resp: 206641
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 180.8
 176 87.6 0.0 181.2





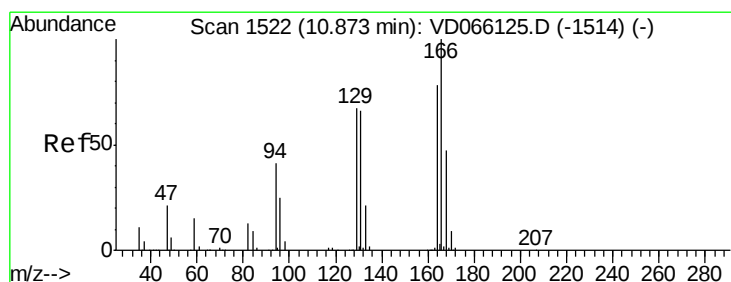
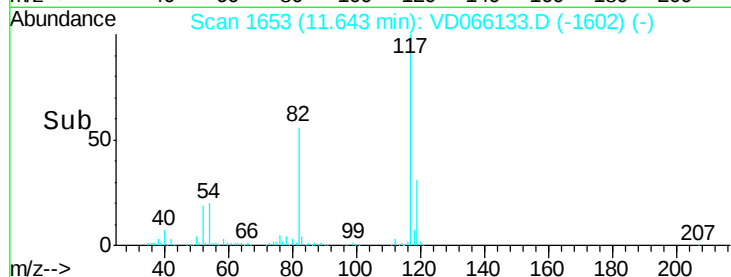
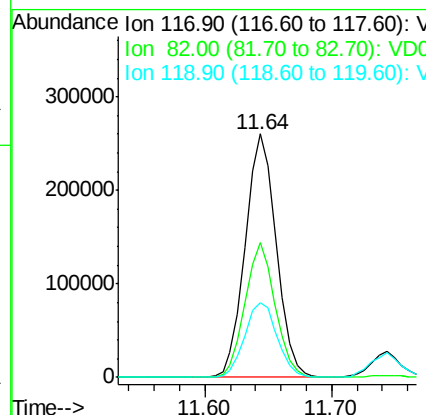
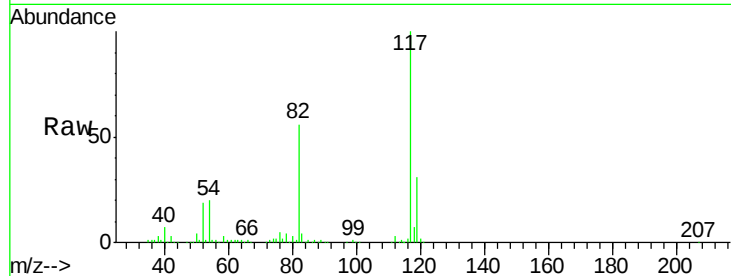
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	442543		
82	55.6	43.0	64.4	
119	30.5	26.1	39.1	

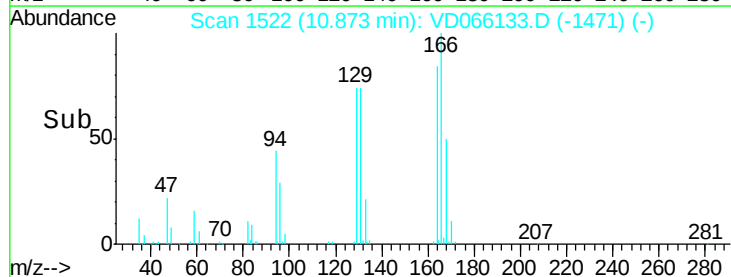
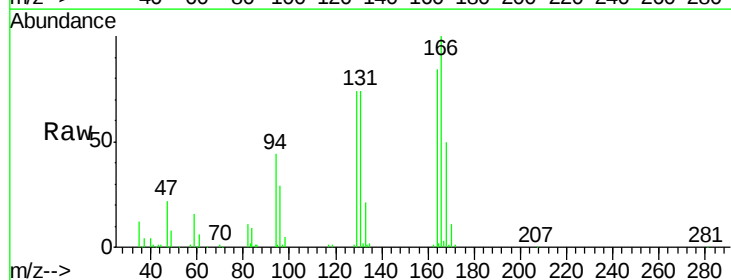
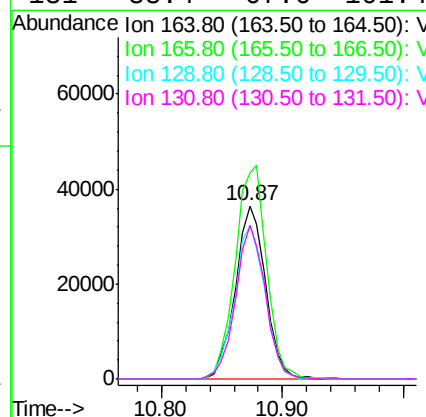
Manual Integrations
APPROVED

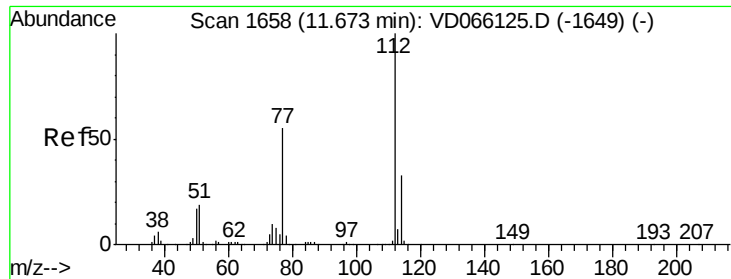
MMDadoda
8/7/2020 12:48:31 PM



#64
Tetrachloroethene
Concen: 18.666 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63433		
166	119.2	101.9	152.9	
129	88.6	68.1	102.1	
131	88.4	67.6	101.4	





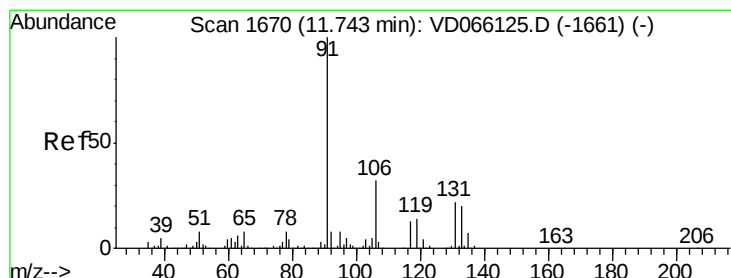
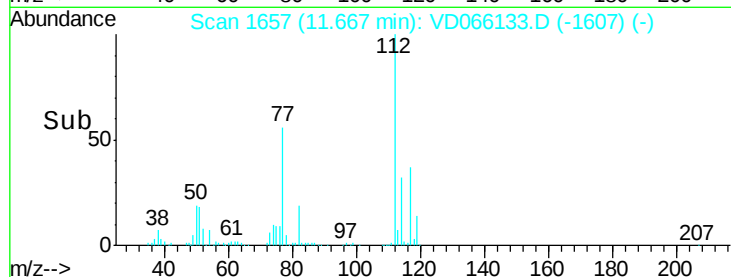
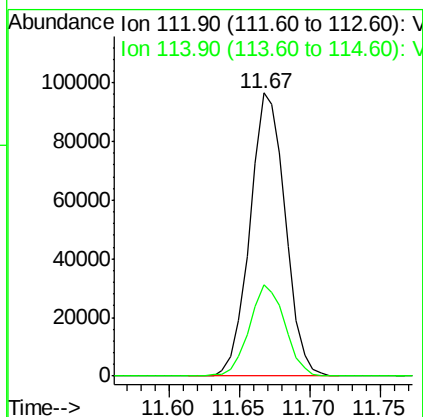
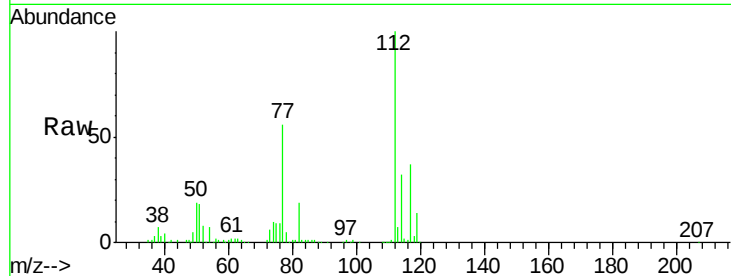
#65
Chlorobenzene
Concen: 18.915 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.1	39.1

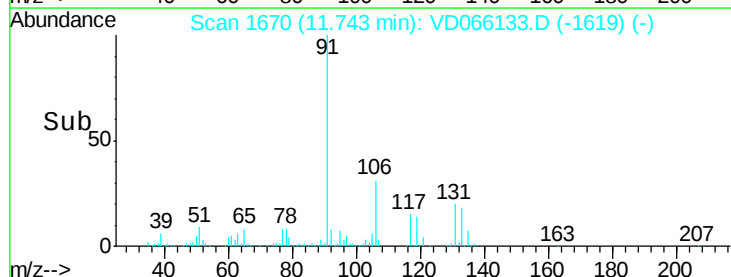
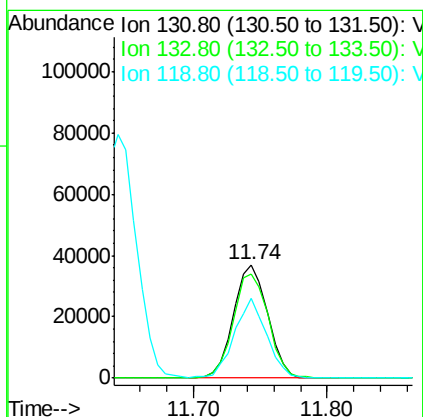
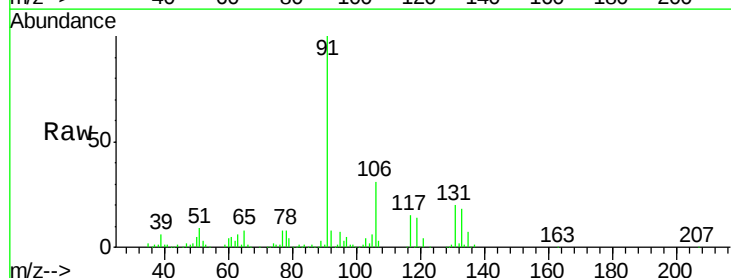
Manual Integrations
APPROVED

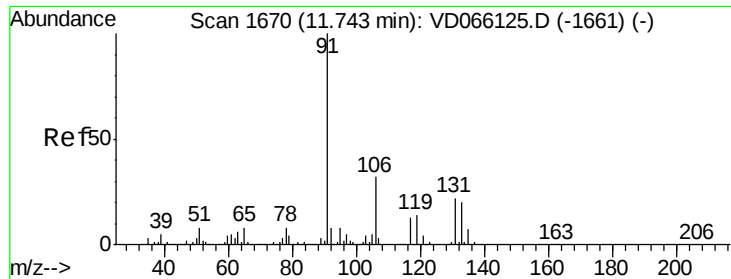
MMDadoda
8/7/2020 12:48:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.623 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.4
119	66.6	31.6	94.7





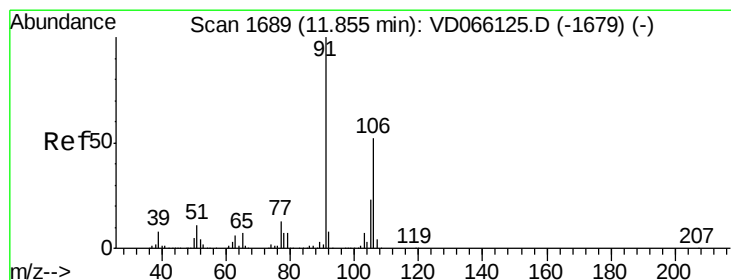
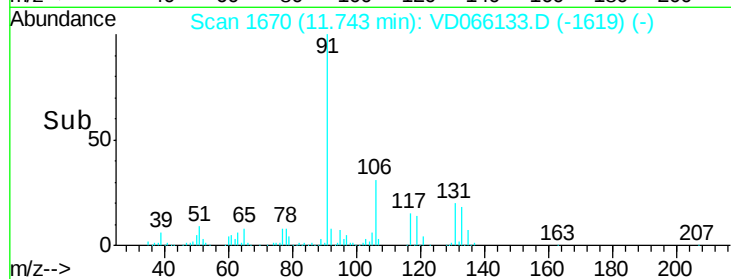
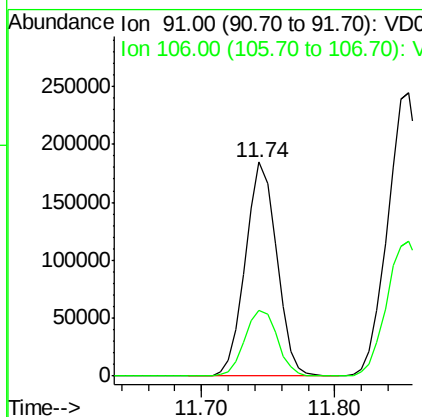
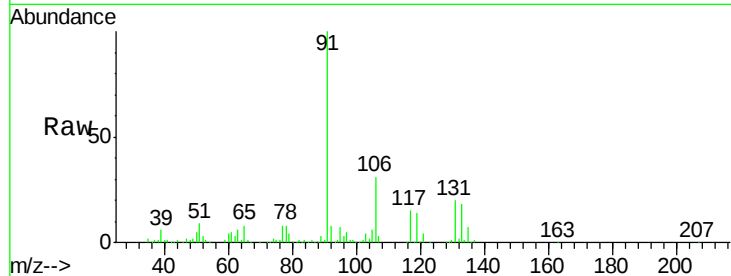
#67
Ethyl Benzene
Concen: 19.271 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion: 91 Resp: 300007
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5

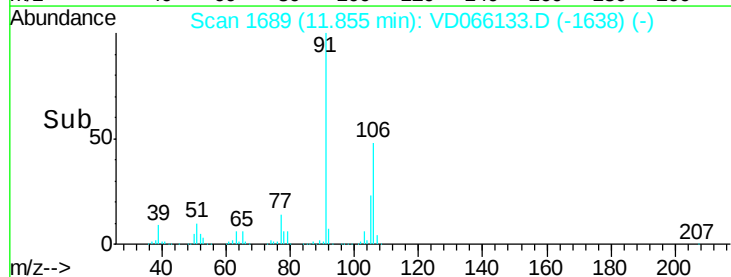
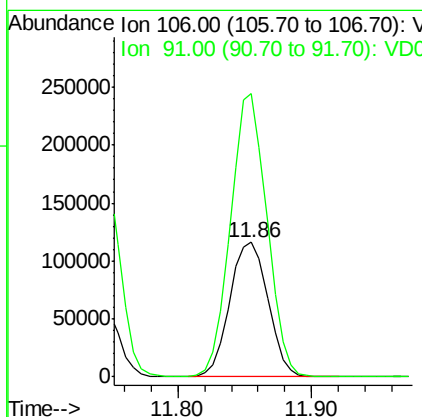
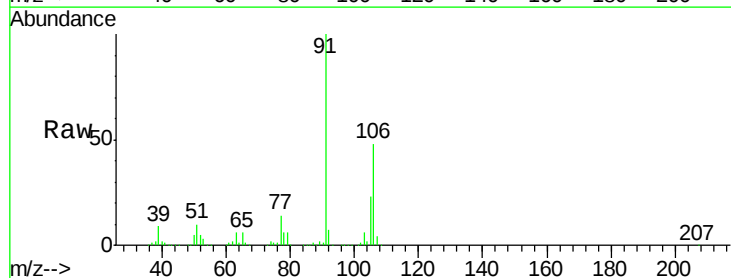
Manual Integrations
APPROVED

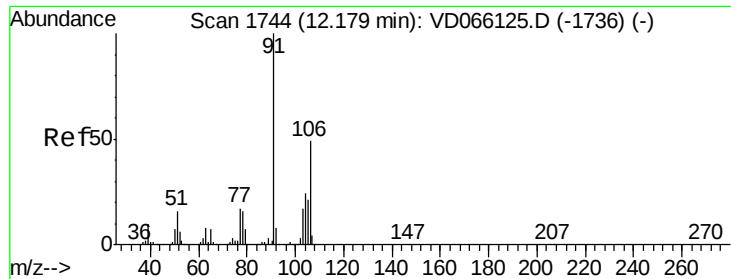
MMDadoda
8/7/2020 12:48:31 PM



#68
m/p-Xylenes
Concen: 38.396 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion: 106 Resp: 231595
Ion Ratio Lower Upper
106 100
91 200.0 156.6 235.0





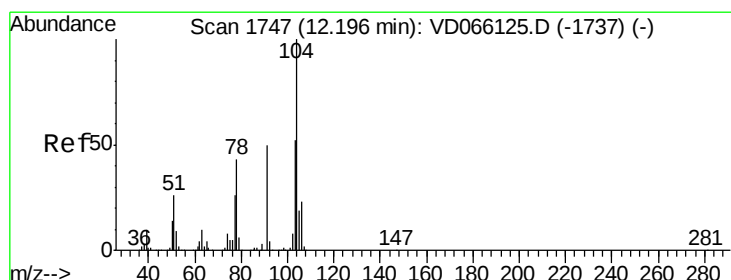
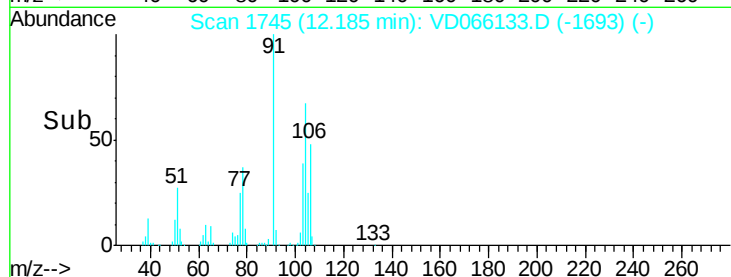
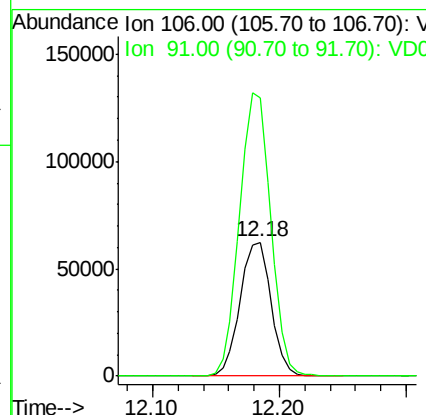
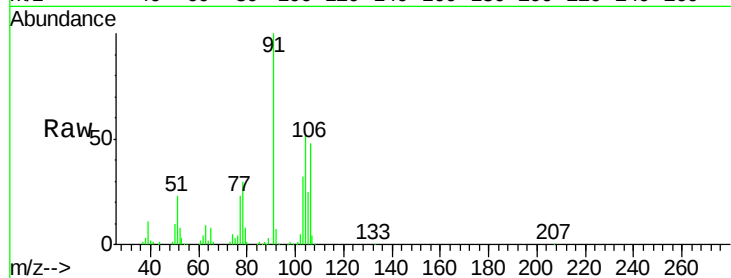
#69
o-Xylene
Concen: 19.246 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	105599		
91	213.4	105.7	317.1	

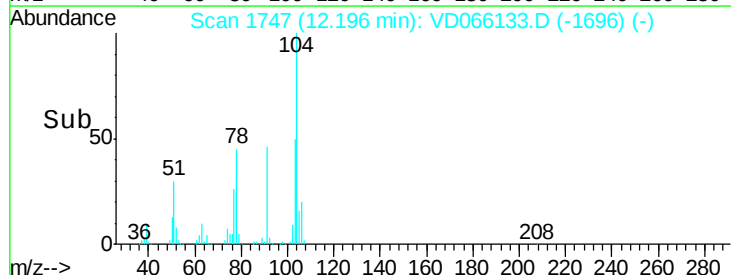
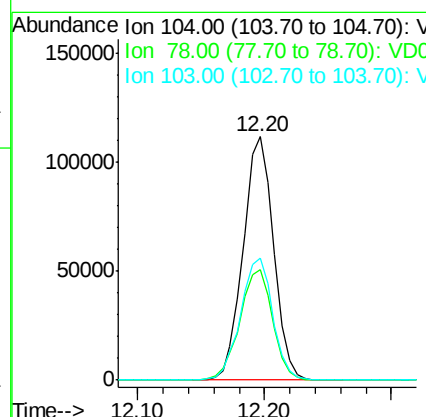
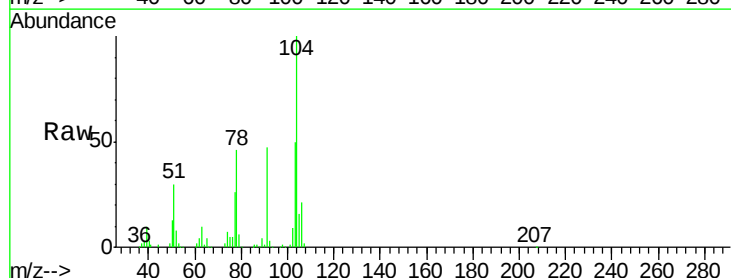
Manual Integrations
APPROVED

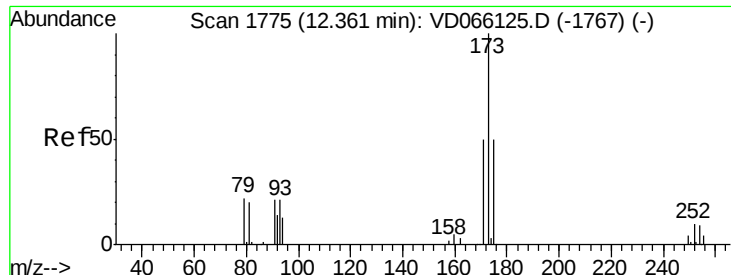
MMDadoda
8/7/2020 12:48:31 PM



#70
Styrene
Concen: 19.402 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	186563		
78	49.2	38.6	58.0	
103	52.8	44.1	66.1	





#71

Bromoform

Concen: 19.071 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:173 Resp: 39718

Ion Ratio Lower Upper

173 100

175 47.7 24.6 73.6

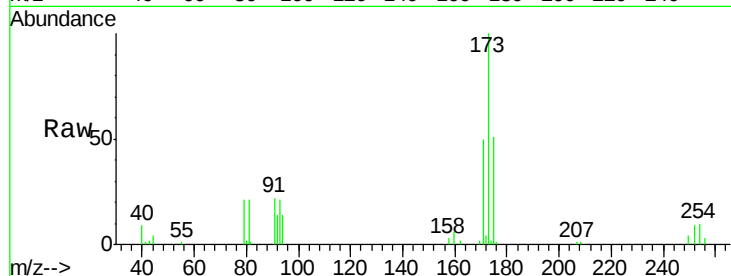
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

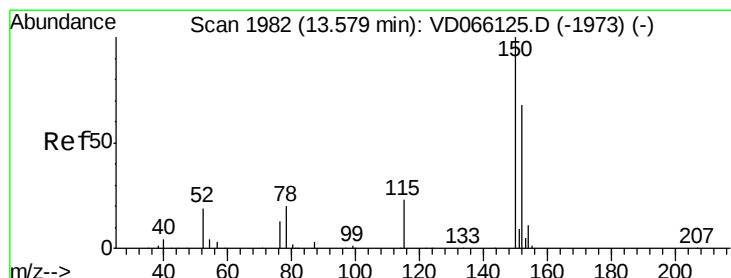
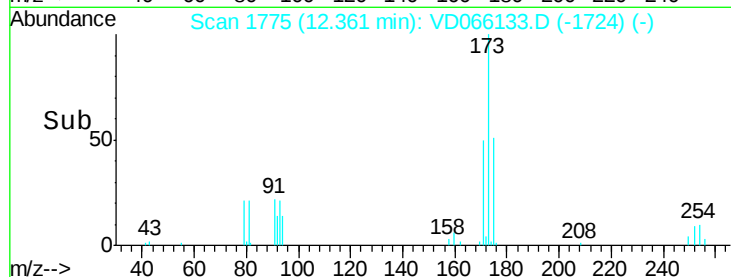
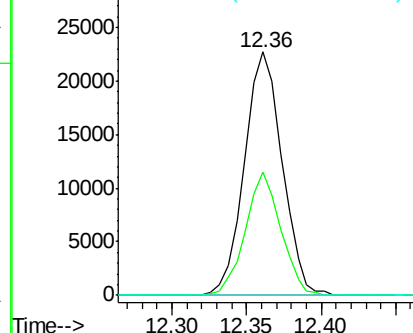
8/7/2020 12:48:31 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

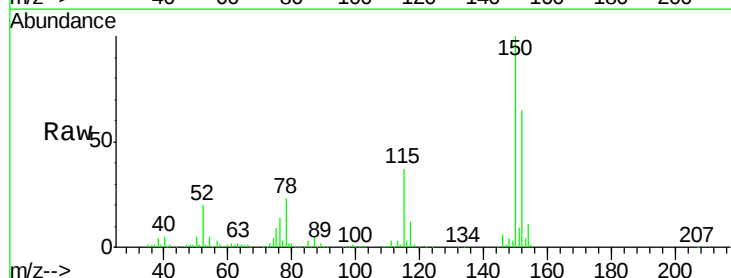
Tgt Ion:152 Resp: 232418

Ion Ratio Lower Upper

152 100

115 55.6 28.0 83.9

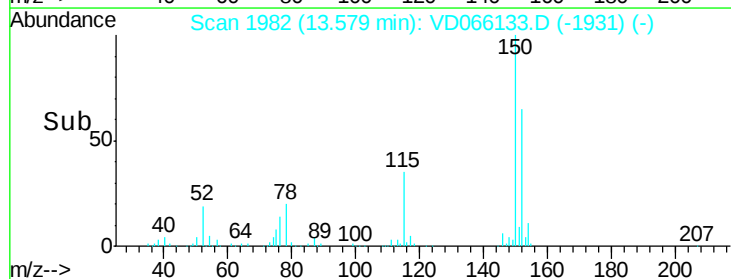
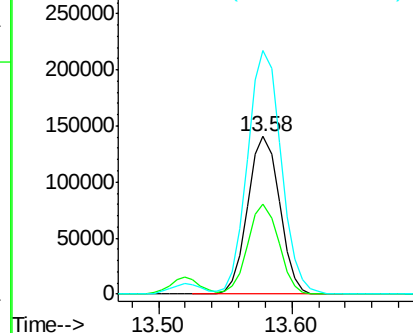
150 162.9 0.0 346.4

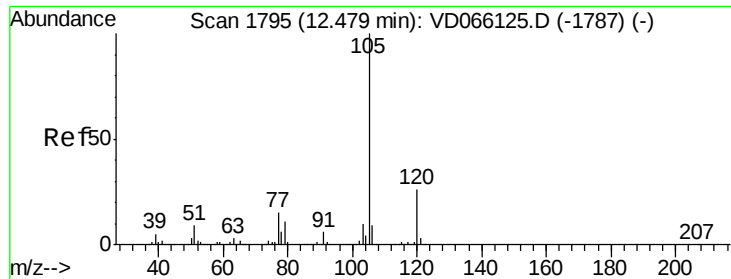


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





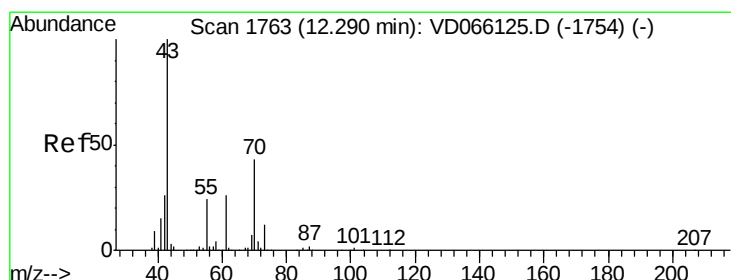
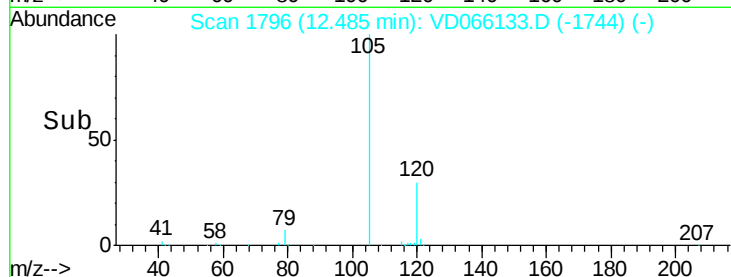
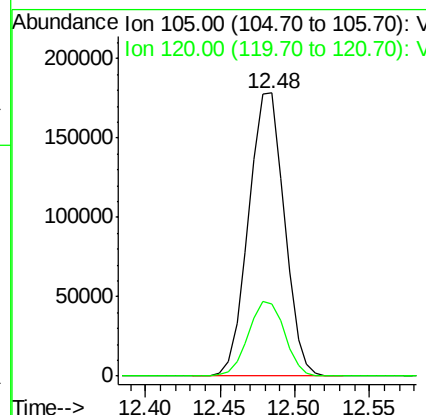
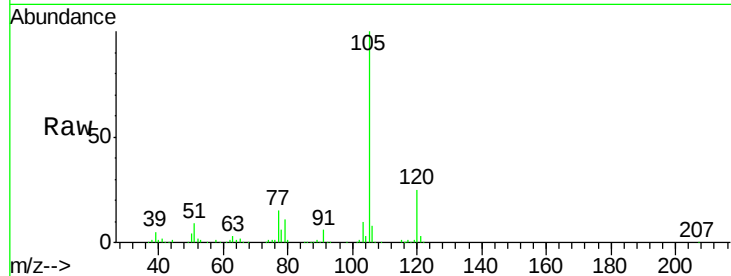
#73
Isopropylbenzene
Concen: 19.073 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	295908		
120	26.7	13.3	39.9	

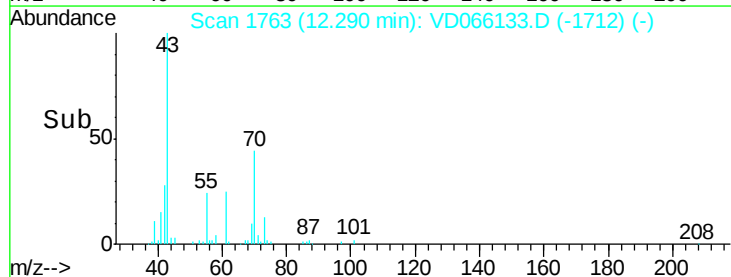
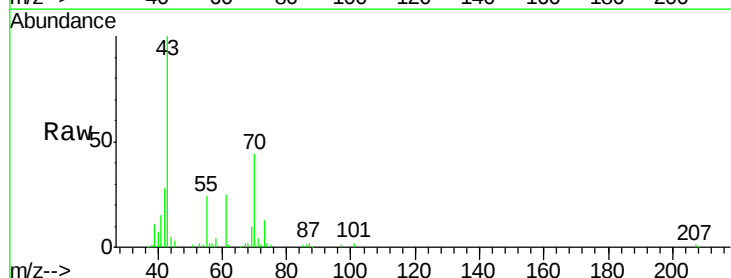
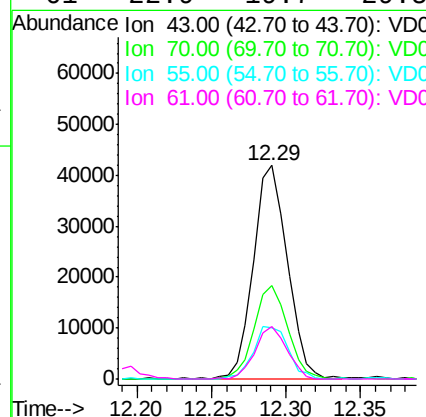
Manual Integrations
APPROVED

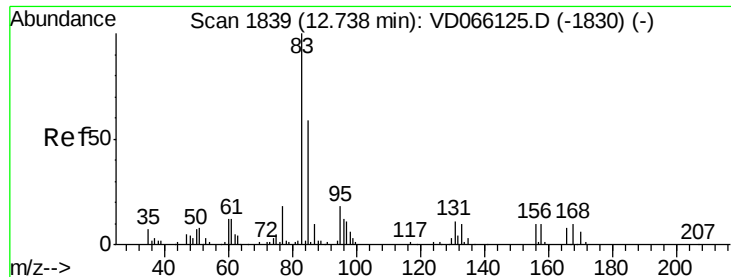
MMDadoda
8/7/2020 12:48:31 PM



#74
N-ethyl acetate
Concen: 19.334 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	66054		
70	43.0	34.9	52.3	
55	25.2	19.2	28.8	
61	22.9	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.164 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

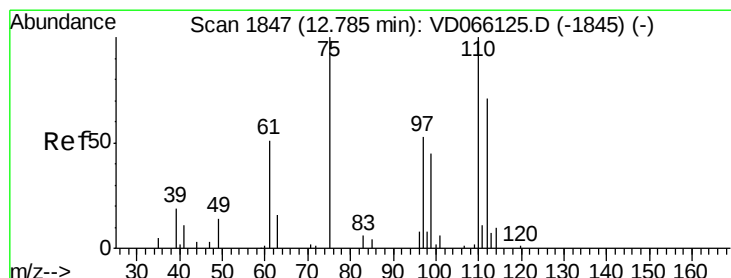
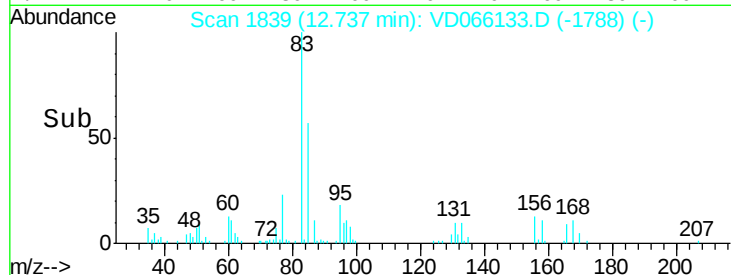
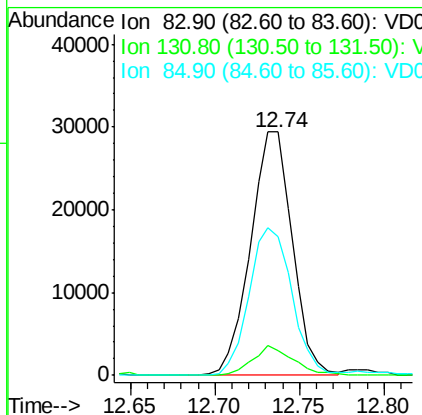
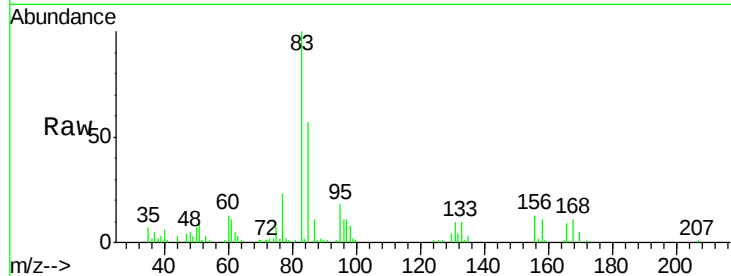
ClientSampleId :

VD0806SBS01

Tot Ion:	83	Resp:	50699
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.2	18.6
85	62.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#76

1,2,3-Trichloropropane

Concen: 18.133 ug/l m

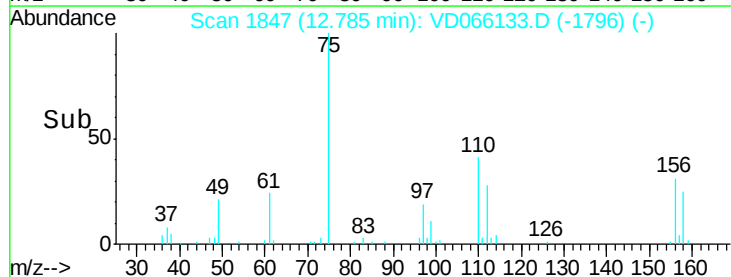
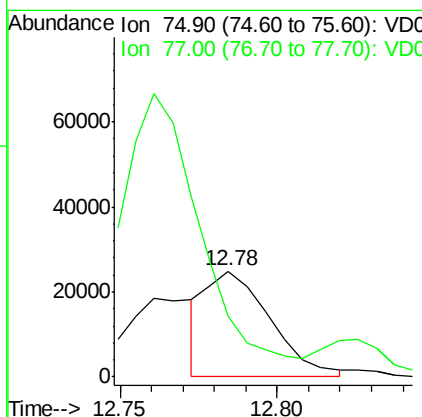
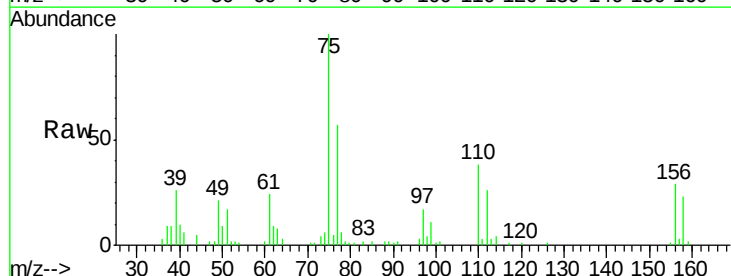
RT: 12.78 min Scan# 1847

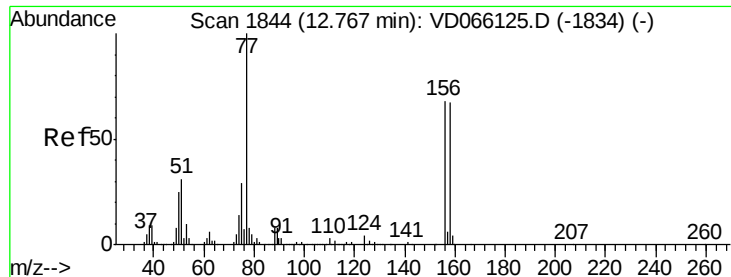
Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	75	Resp:	35146
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.061 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

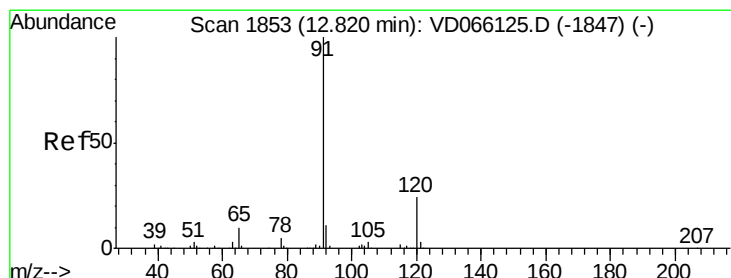
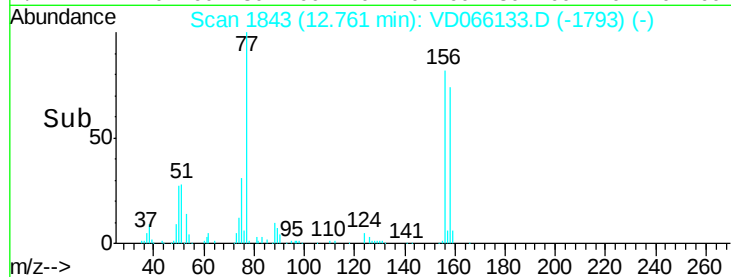
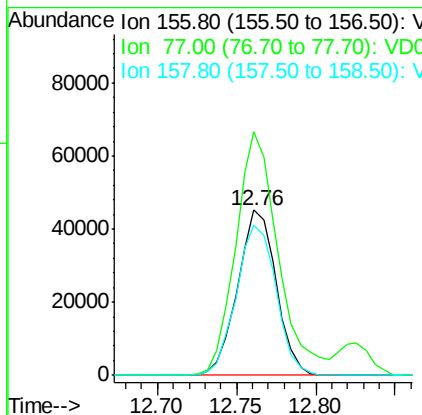
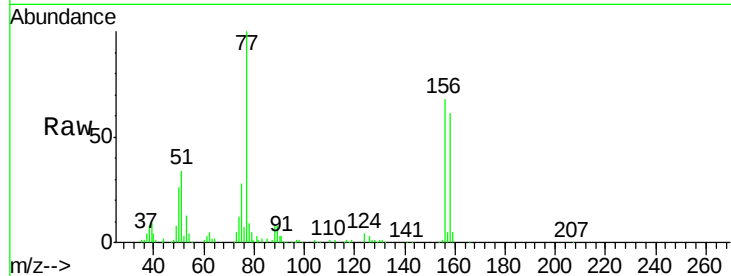
ClientSampleId :

VD0806SBS01

Tot Ion:	156	Resp:	76123
Ion Ratio	Lower	Upper	
156	100		
77	163.1	81.0	243.1
158	94.1	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#78

n-propylbenzene

Concen: 19.146 ug/l

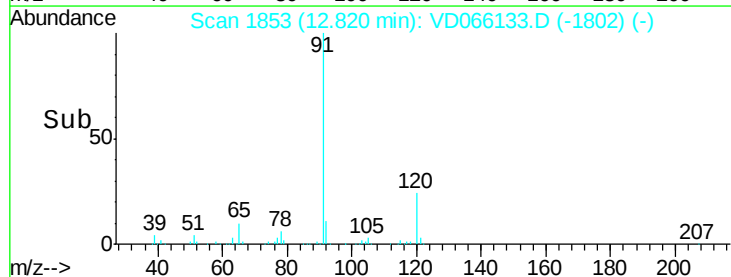
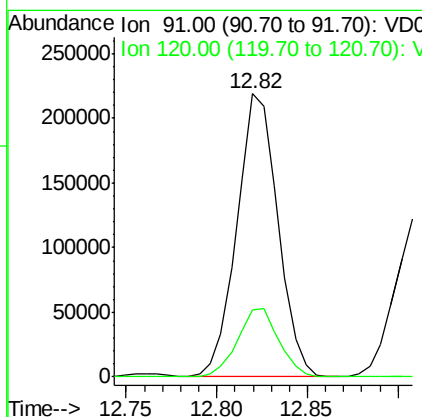
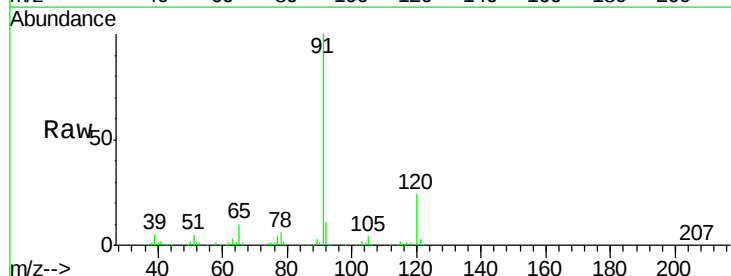
RT: 12.82 min Scan# 1853

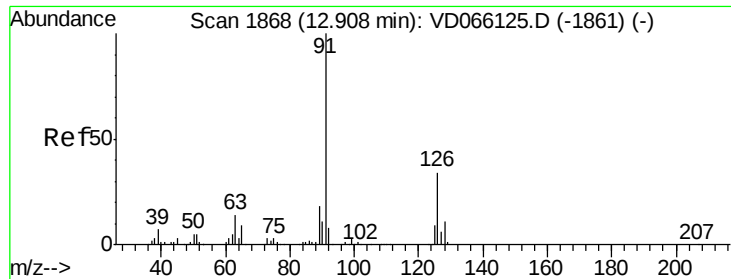
Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	91	Resp:	345288
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





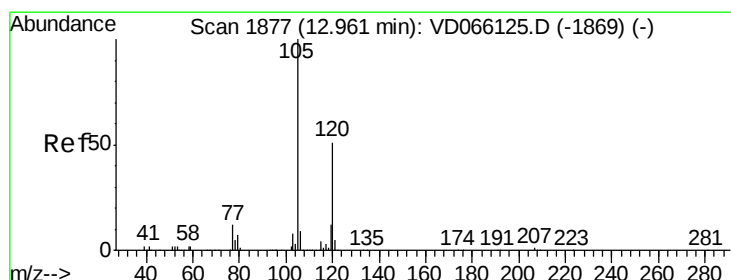
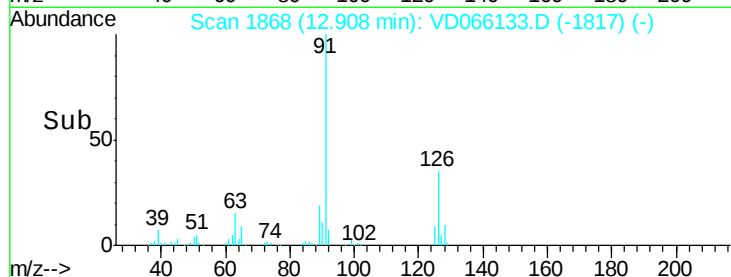
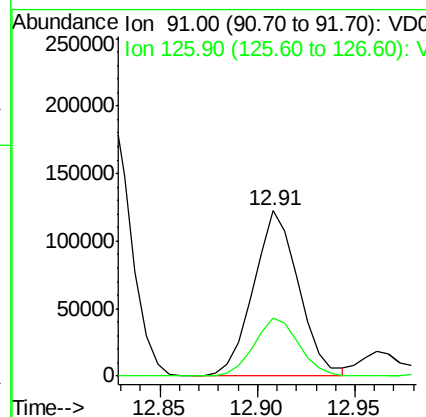
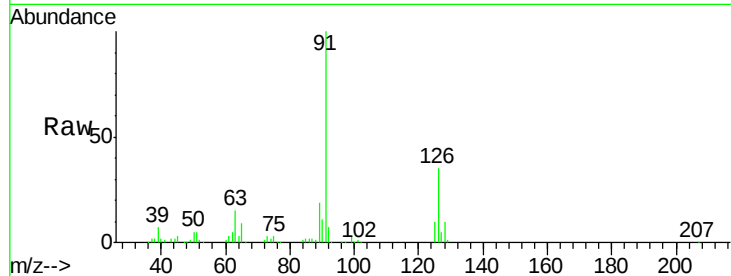
#79
 2-Chlorotoluene
 Concen: 19.048 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion: 91 Resp: 196475
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6

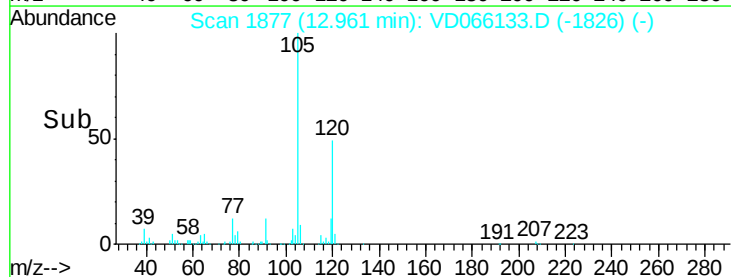
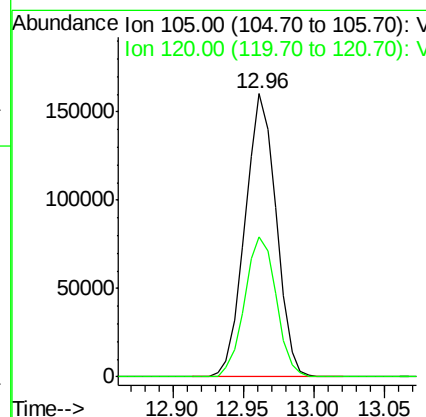
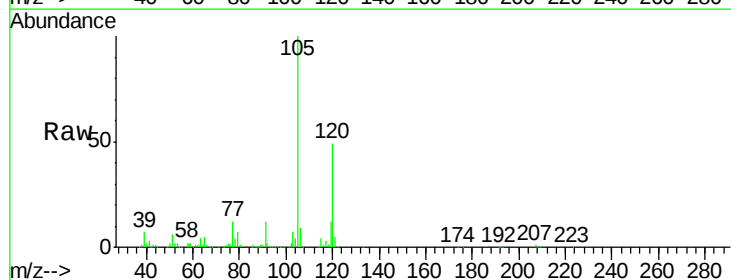
Manual Integrations
 APPROVED

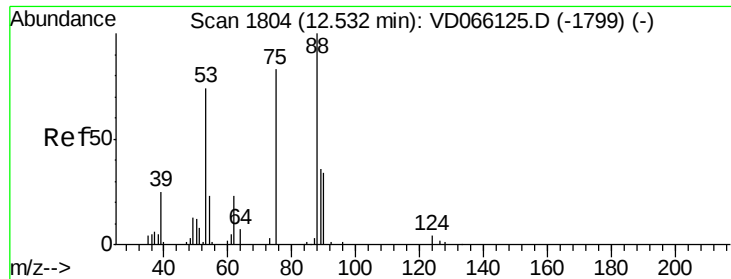
MMDadoda
 8/7/2020 12:48:31 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.124 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion: 105 Resp: 248132
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.3 75.8





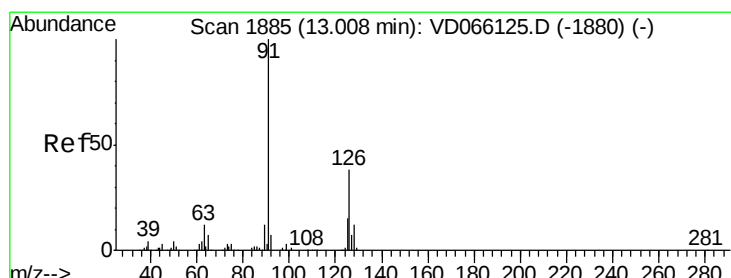
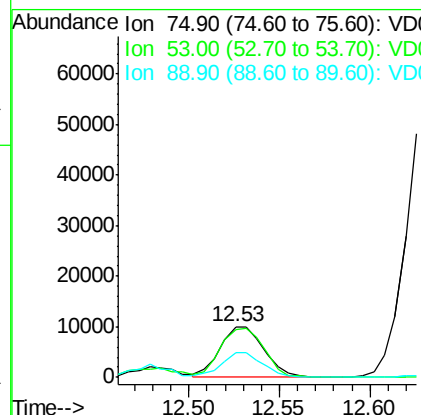
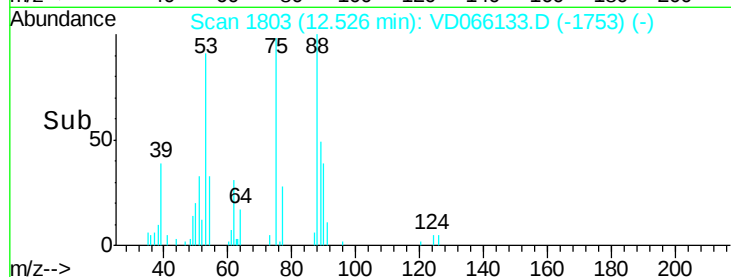
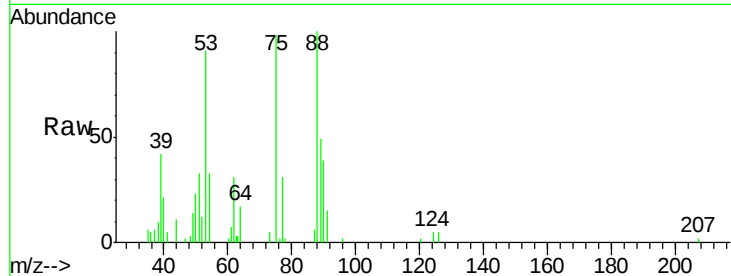
#81
trans-1,4-Dichloro-2-butene
Concen: 19.368 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	73.4	110.2
89	46.3	36.6	55.0

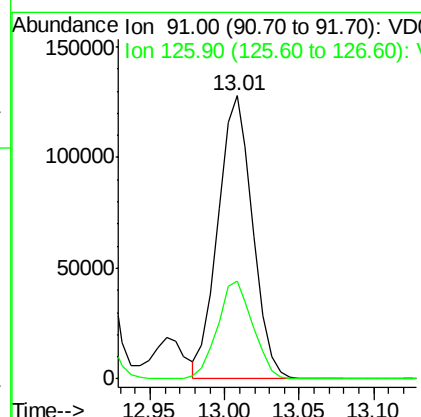
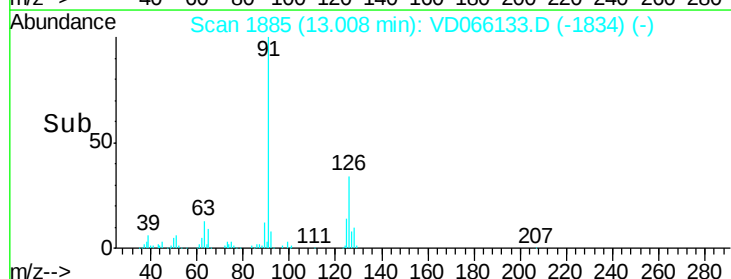
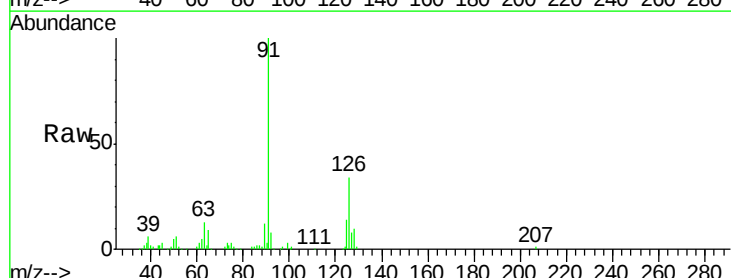
Manual Integrations
APPROVED

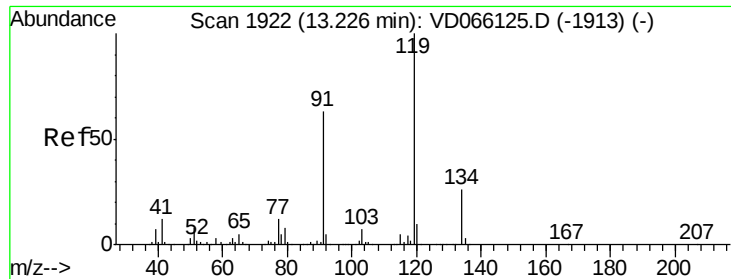
MMDadoda
8/7/2020 12:48:31 PM



#82
4-Chlorotoluene
Concen: 19.023 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





#83

tert-Butylbenzene

Concen: 18.866 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

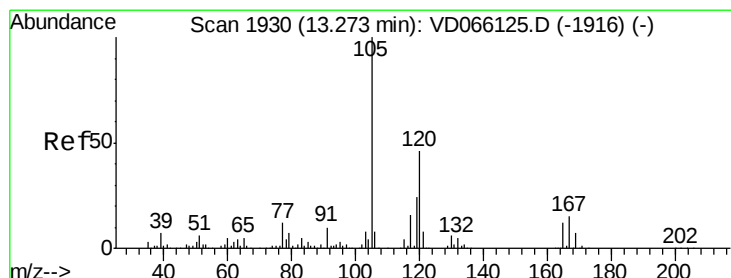
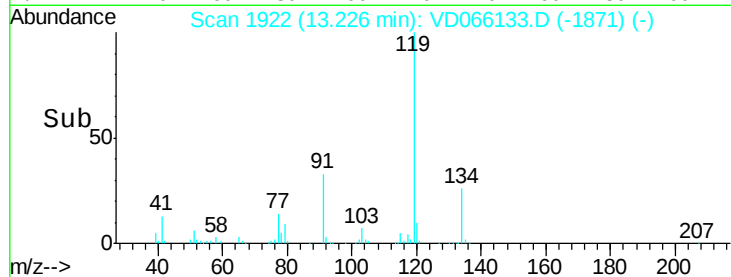
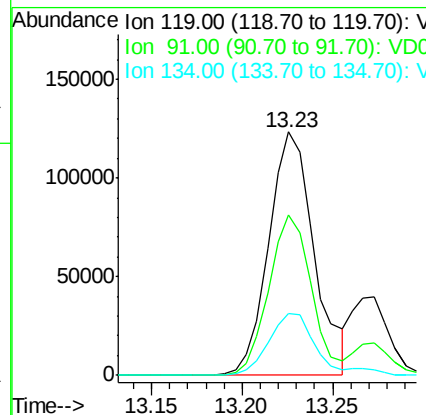
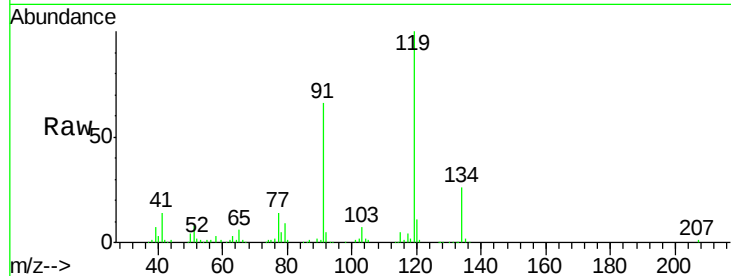
ClientSampleId :

VD0806SBS01

Tot Ion:	119	Resp:	215272
Ion Ratio	Lower	Upper	
119	100		
91	61.8	30.8	92.4
134	27.2	13.6	40.8

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM



#84

1,2,4-Trimethylbenzene

Concen: 18.795 ug/l

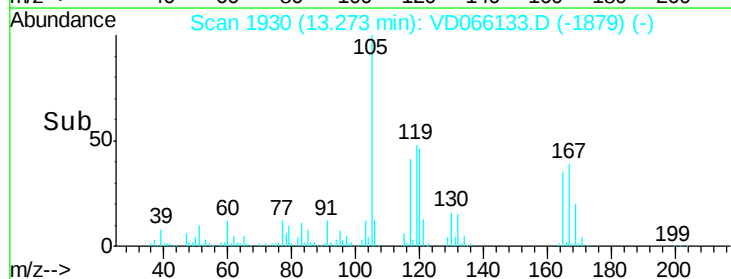
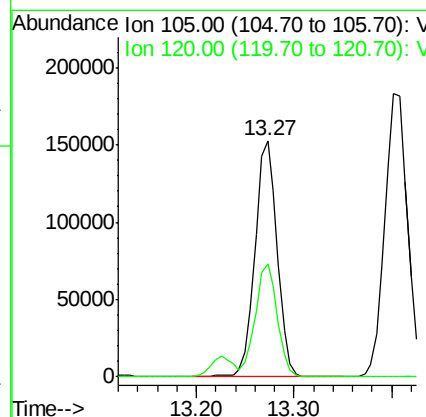
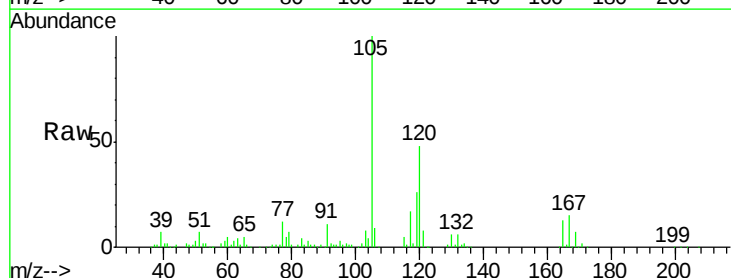
RT: 13.27 min Scan# 1930

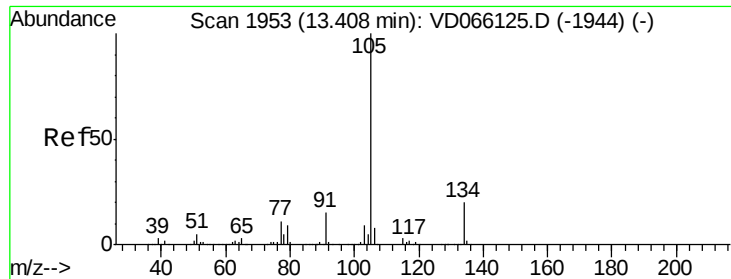
Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Tgt Ion:	105	Resp:	244050
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.148 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

VD0806SBS01

Tot Ion:105 Resp: 294993

Ion Ratio Lower Upper

105 100

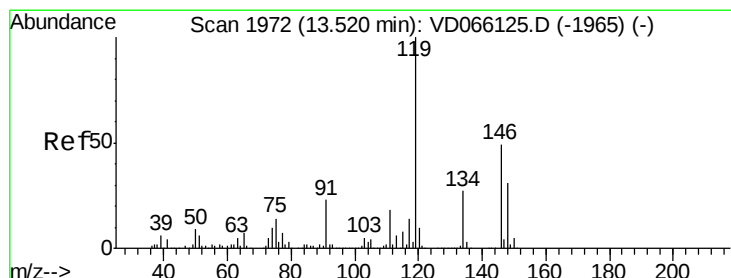
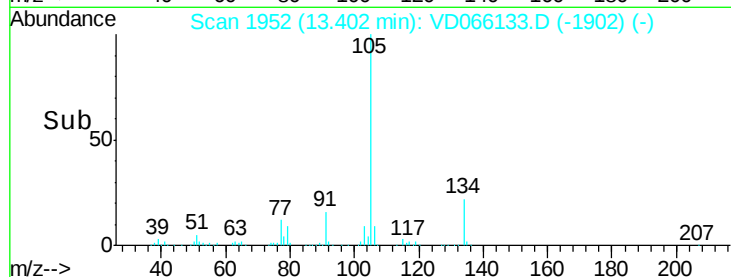
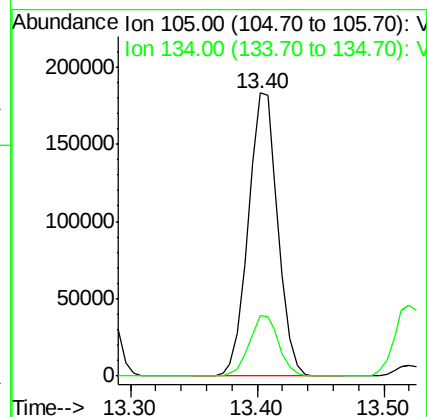
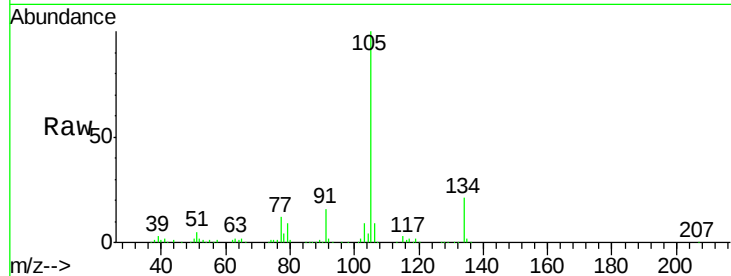
134 21.5 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

8/7/2020 12:48:31 PM



#86

p-Isopropyltoluene

Concen: 19.423 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066133.D

Acq: 06 Aug 2020 14:35

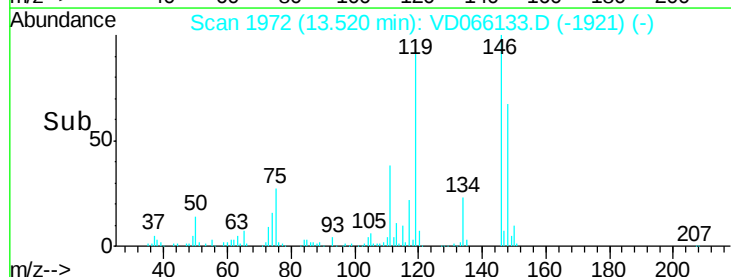
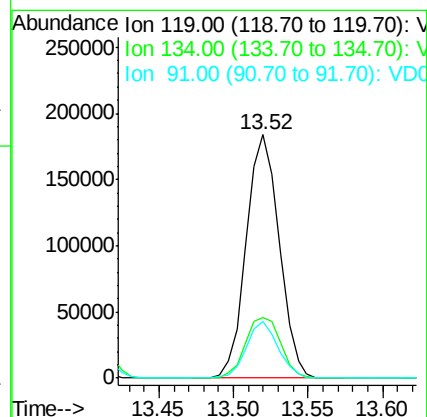
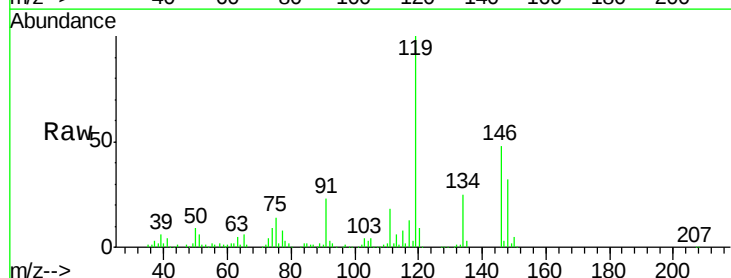
Tgt Ion:119 Resp: 280649

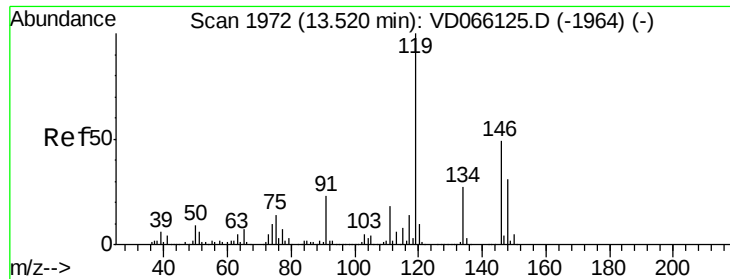
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.3 11.2 33.5





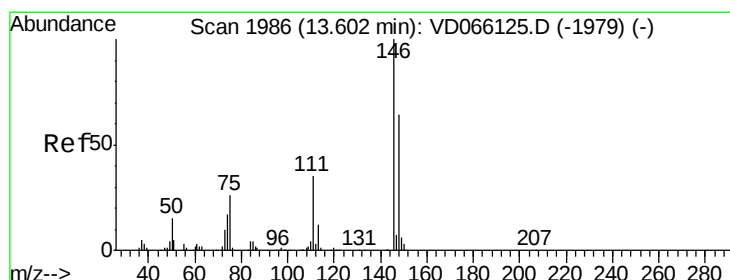
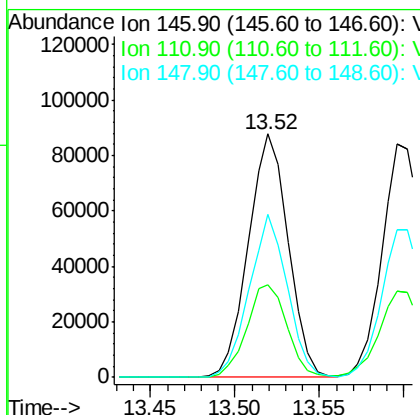
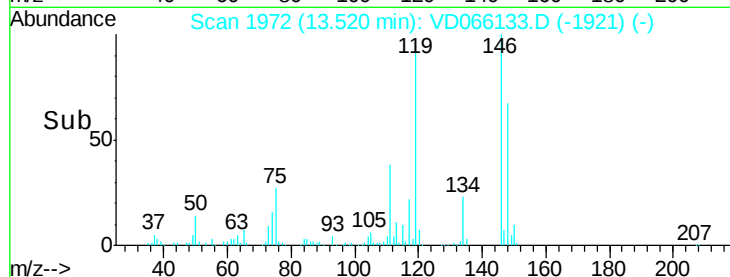
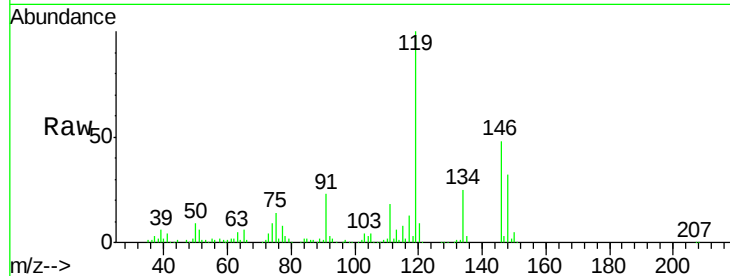
#87
 1,3-Dichlorobenzene
 Concen: 19.214 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	63.9	31.8	95.3

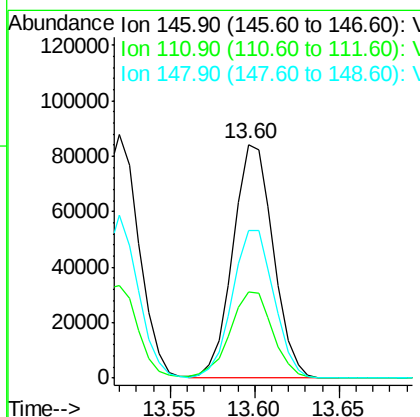
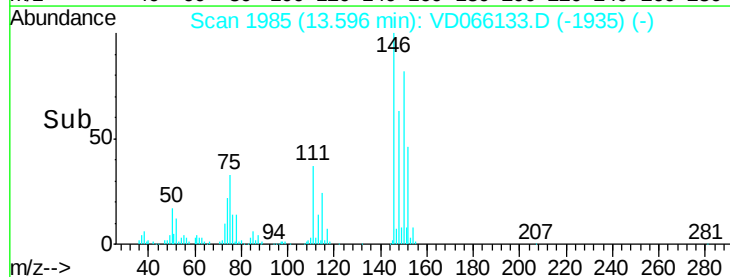
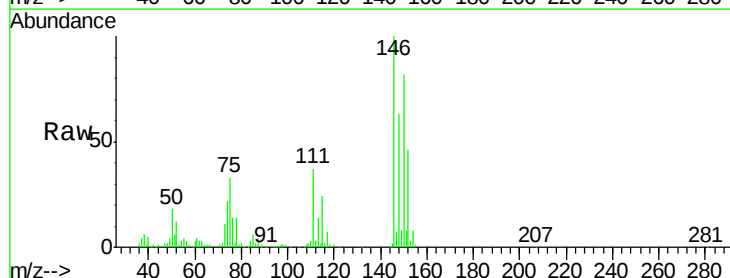
Manual Integrations
 APPROVED

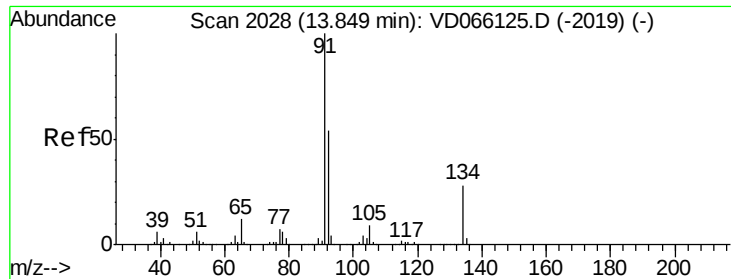
MMDadoda
 8/7/2020 12:48:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.790 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	65.1	32.4	97.0





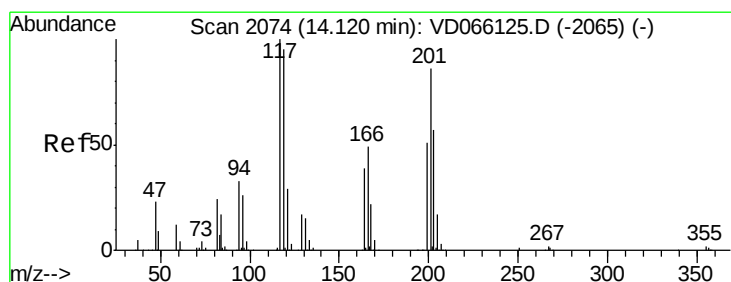
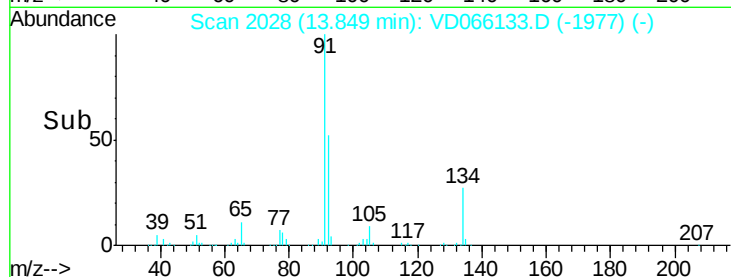
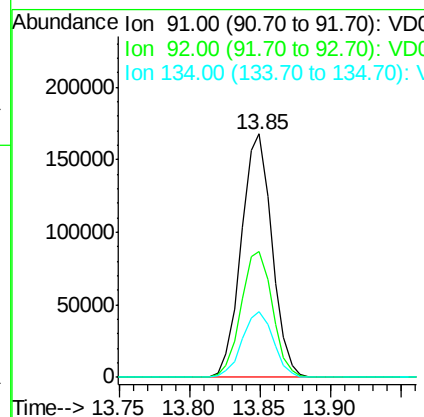
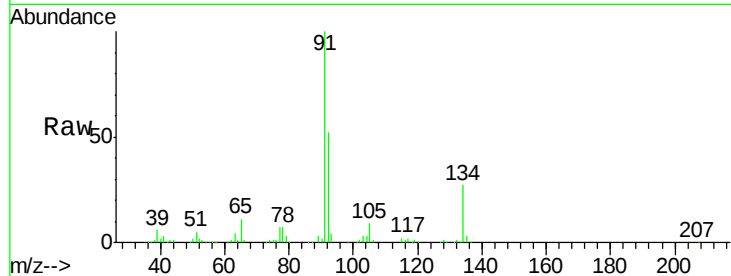
#89
n-Butylbenzene
Concen: 19.688 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	27.6	14.0	41.9

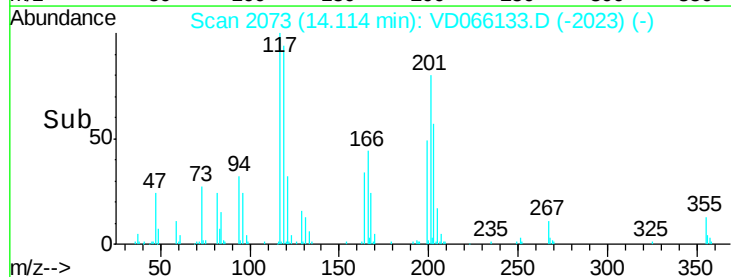
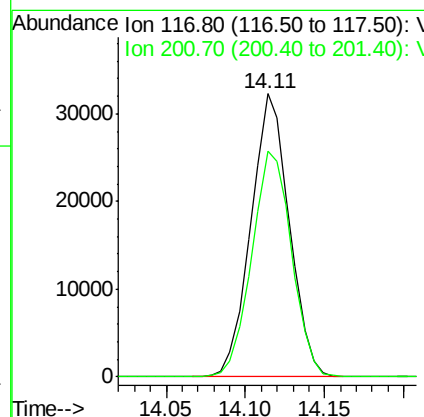
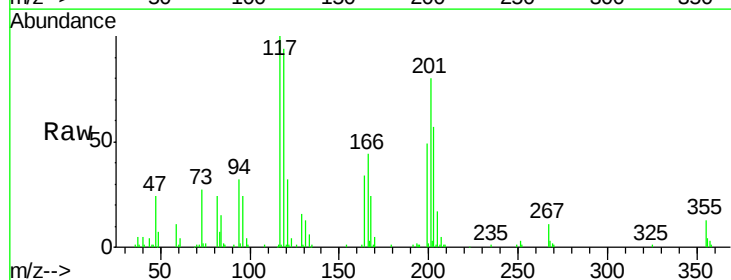
Manual Integrations
APPROVED

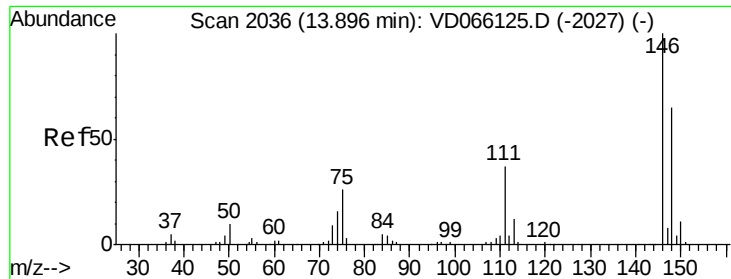
MMDadoda
8/7/2020 12:48:31 PM



#90
Hexachloroethane
Concen: 18.836 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	42.7	128.1





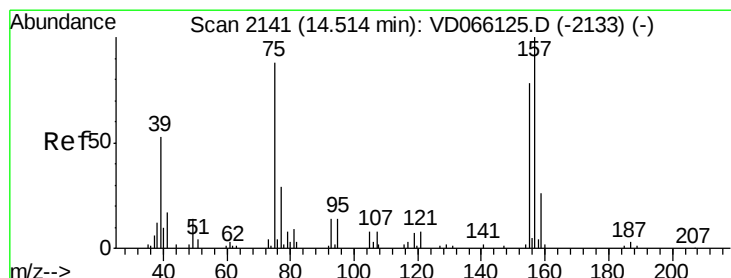
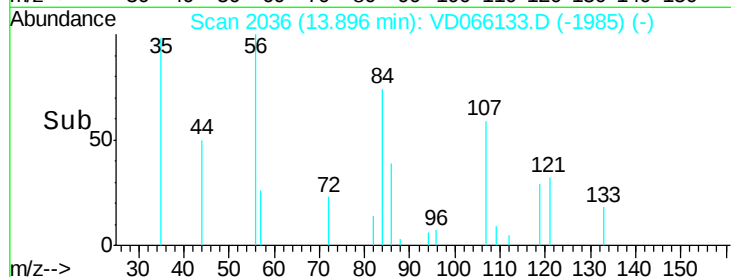
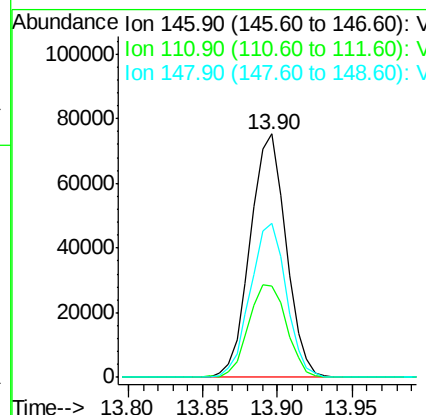
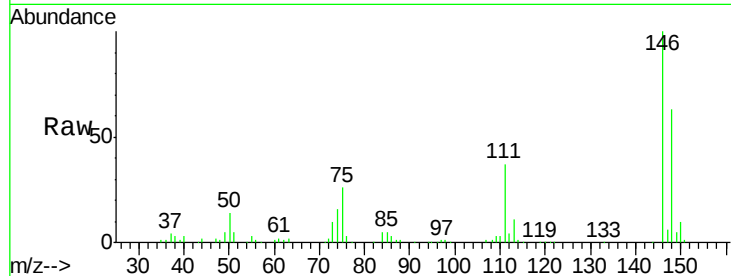
#91
 1,2-Dichlorobenzene
 Concen: 18.796 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.8	56.3
148	63.5	31.9	95.5

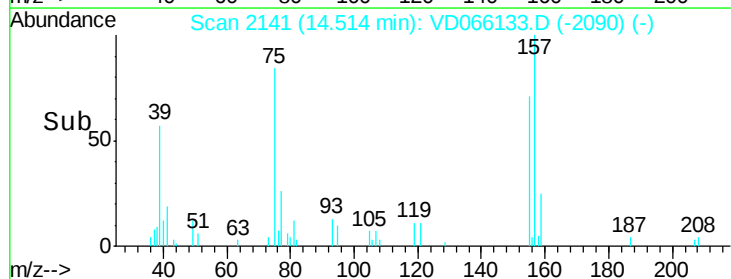
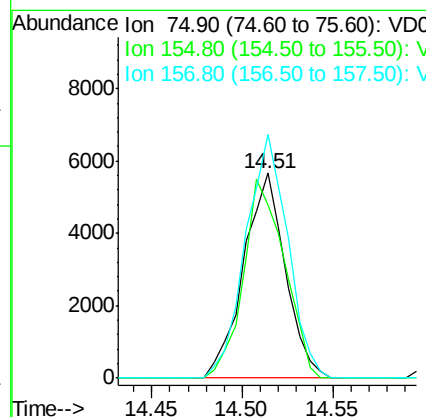
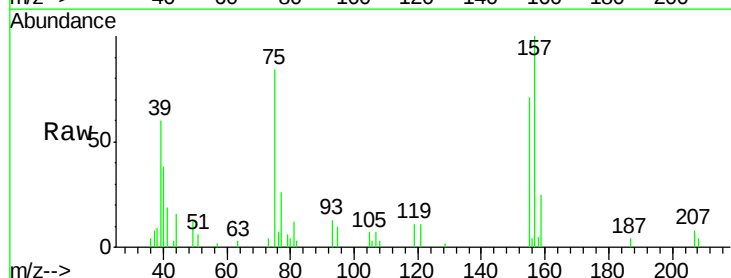
Manual Integrations
 APPROVED

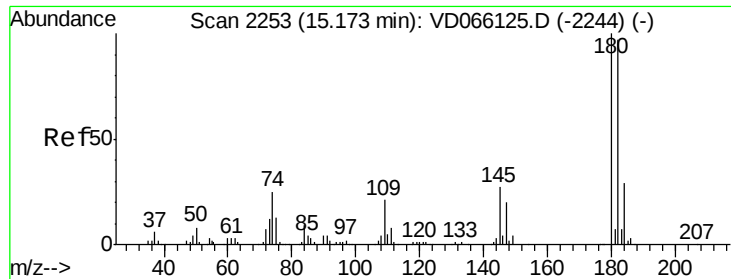
MMDadoda
 8/7/2020 12:48:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.944 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	47.7	143.1
157	119.9	62.1	186.2





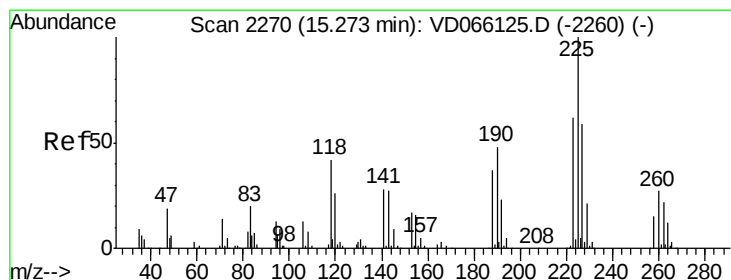
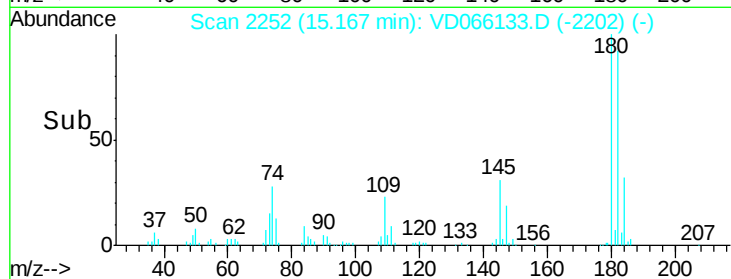
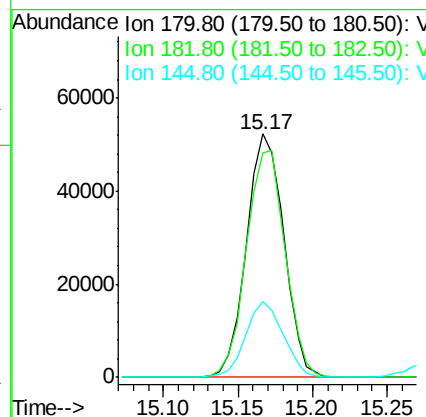
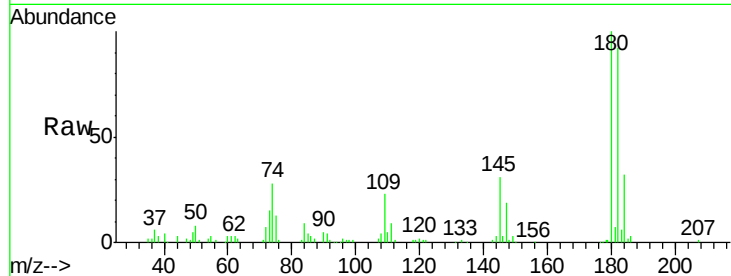
#93
 1,2,4-Trichlorobenzene
 Concen: 18.510 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0806SBS001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	47.4	142.2	
145	31.3	14.5	43.6	

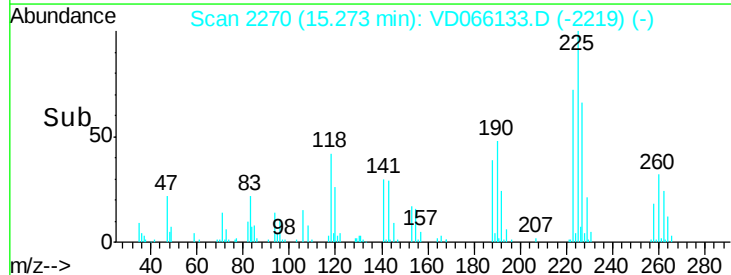
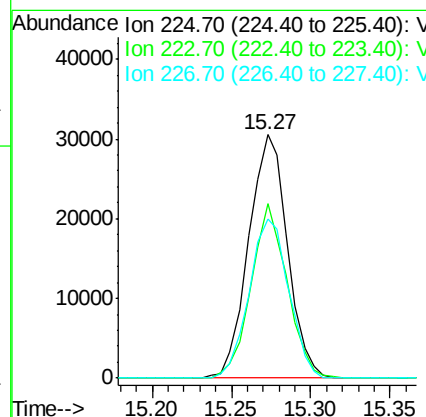
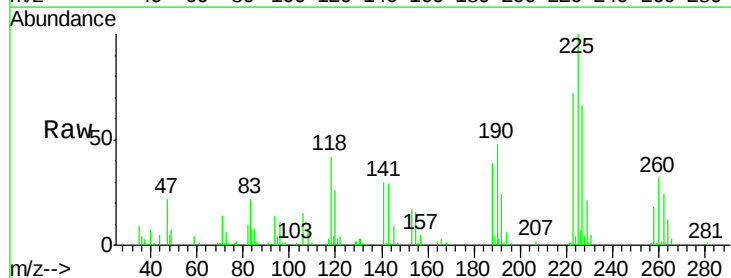
Manual Integrations
 APPROVED

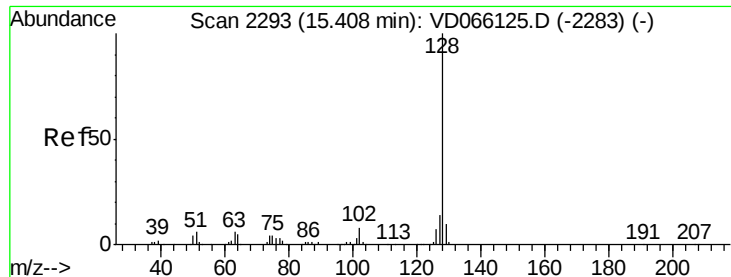
MMDadoda
 8/7/2020 12:48:31 PM



#94
 Hexachlorobutadiene
 Concen: 17.984 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066133.D
 Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.8	32.3	96.9	
227	66.7	32.1	96.5	





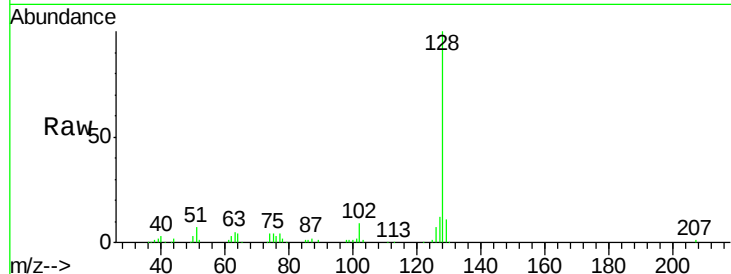
#95
Naphthalene
Concen: 19.146 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Instrument :
MSVOA_D
ClientSampleId :
VD0806SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2020 12:48:31 PM

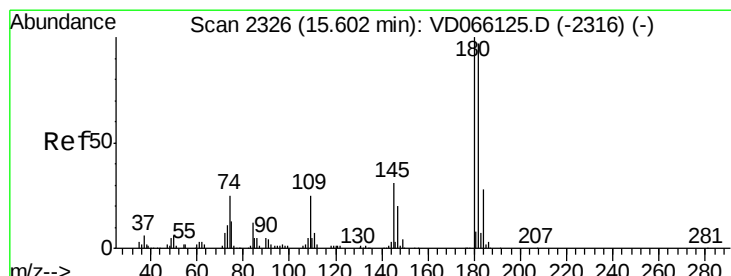
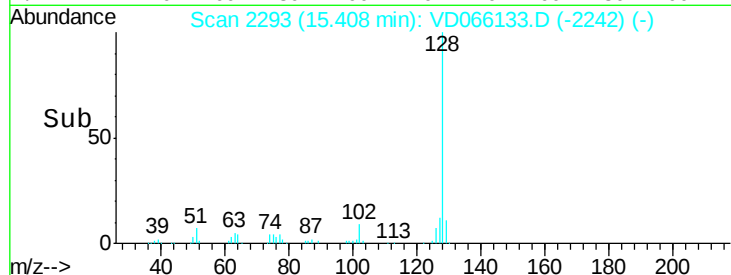
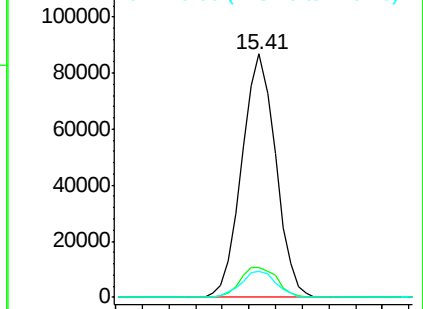


Abundance

Ion 128.00 (127.70 to 128.70): V

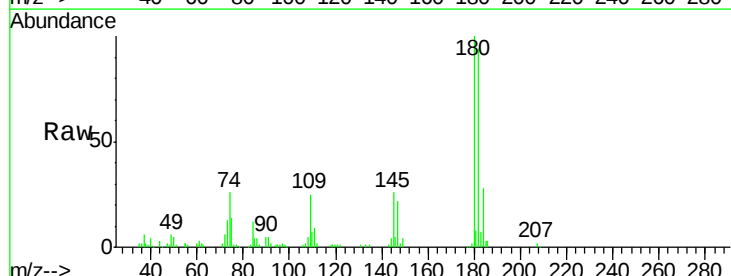
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.765 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066133.D
Acq: 06 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	29.9	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

